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Repeater Journal

The Official Voice of SERA, Inc.

Nov., Dec. 2001, Jan. 2002 3.00

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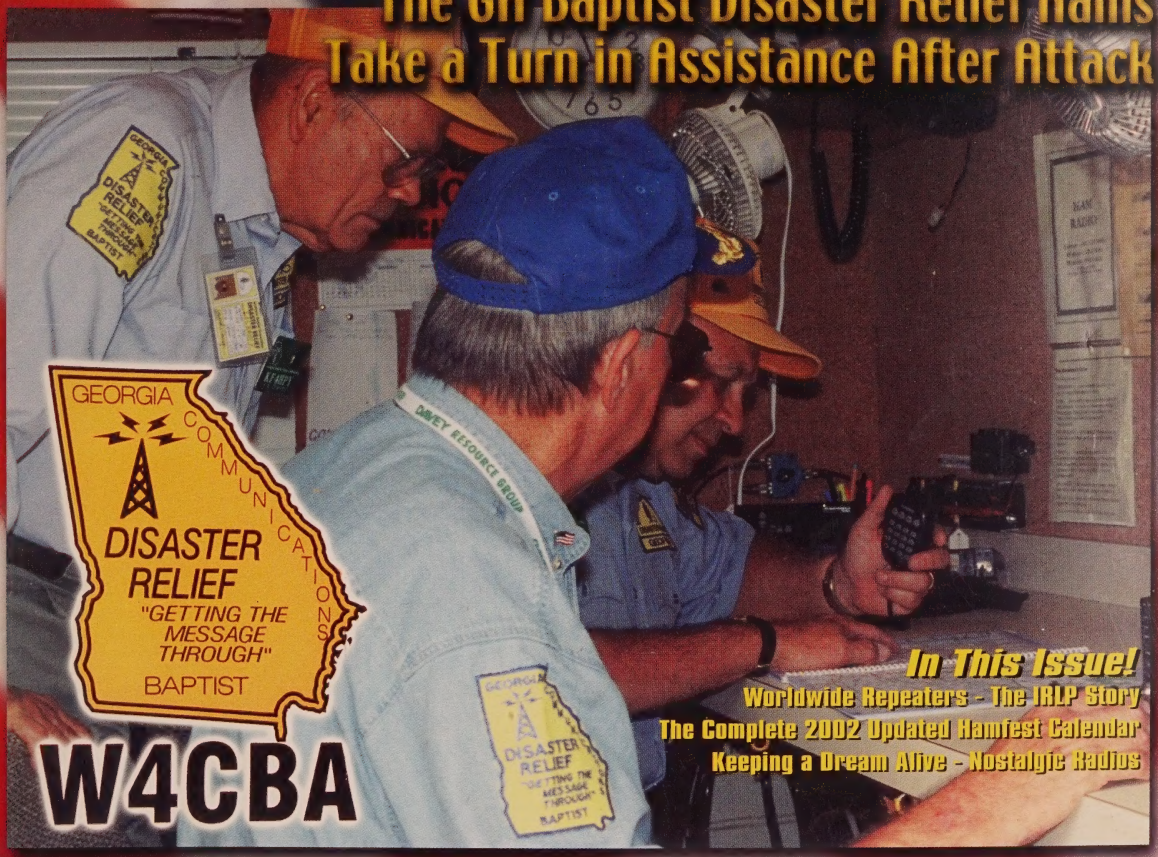

In This Issue!

Worldwide Repeaters - The IRLP Story

The Complete 2002 Updated Hamfest Calendar

Keeping a Dream Alive - Nostalgic Radios

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IMPORTANT NOTE: If you need repeater-type help, look up your local State coordinator above and contact him. He will be glad to help. This SERA service is FREE!

TO CONTACT A COORDINATOR VIA EMAIL: theircallsign@sera.org

NOV., DEC., 2001, JAN. 2002 - ISSUE 4

SERA Repeater Journal
The Official Voice of SERA, Inc.

By Far . . .The Most Recognized Regional Amateur Publication in the United States

The Voice of the SouthEastern Repeater Assn., Inc.
Published 4 Times A Year in Feb., May, Aug., Nov.
Exclusively for Southeastern Repeater owners and users.

Editorially Speaking . . .

It's Time to Say . . . Farewell!!

It's like you hear so often . . . all good things have to come to an end. Such is the case with me as retiring editor of the Repeater Journal. This is my last issue.

It was in an August issue 24 years ago I wrote: "With this issue of the CVRA, a new era has begun." I went on to describe that a new staff was taking over and I was assuming the job as editor of the Repeater Journal.

(For you newcomers - SERA today, began as the North Carolina FM Repeater Association in 1971. They changed their name to Carolina's-Virginia Repeater Association in 1973 - CVRA, and in 1988, the final name of SERA emerged.)

Strangely enough, I was only the third person who had ever held the editor's post. Don Harris, W4BUZ of Greensboro started things off with a 12 page mimeographed newsletter in April of 1971. He called it the Repeater Journal. In mid 1971, Bill Parris, K4GHR of Charlotte, NC took over the job as editor. He was also writer, typesetter, ad manager, circulation manager and bookkeeper. Bill's early Journals assumed a 7" x 8-1/4" magazine format and they began soliciting advertising to help defray the expense of putting out the magazine. In 1972 Bill took on the additional jobs of Secretary and Treasurer of the NCFMRA.

In 1974 I began working with CVRA by sending Bill newsworthy items. In the meantime in 1975 I was elected Vice-Director, then Director (coordinator) of the old Piedmont District. I lost the job a year later when CVRA changed from 9 districts to only 3 districts.

I continued sending Bill news over the years, as a correspondent. In the February 1977 issue, I convinced him to run a picture on the cover of the Repeater Journal instead of using it merely as a news page. From that issue forward, the cover has always been some form of picture. By mid year, Bill began "romancing" me to take over as the editor. I, with my monster ego told him I would, and we went from there. There was no real format, setup, rules, or operation manual to explain how to put out the Journal. So I basically wrote the book and made up the rules as I went along.

When I took over in 1977, I had set several goals for myself and the magazine. The first goal was achieved in 1983, when we changed the Repeater Journal size to a more standard format of 8-1/2 x 11". In 1986, my second goal was realized, when we came out with full color covers.

By late 1991, we were typesetting our own copy by computer and pasting up the Repeater Journal in my living room. Our first computer was an IBM clone (XT) utilizing a $39.00 typesetting program.

(Continued on Page 13)

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SERA Repeater Journal
The Most Recognized Regional Amateur Magazine in the U.S.
The Official Voice of SERA, Inc.

Nov., Dec. 2001, Jan. 2002
Volume 30, No. 4
Organized in 1971
"Completing 30 Years" Of Continuous Service To Amateur Radio

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DEADLINE For February Issue is January 1, 2002

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Check out the Official SERA Web Site: www.sera.org

About the SouthEastern Repeater Association,

SERA, SouthEastern Repeater Association, Inc. is the largest, most well known, non-profit Repeater Coordinating Organization in the United States. SERA territory covers over 329,000 square miles across 8 states. Over 2,300 repeaters are available to more than 91,000 Amateurs from the Southeastern member States of Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia. In 2001, SERA completes its 30th year of service with our continued mission statement: "To serve the Amateur repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of the *Repeater Journal*, and the guidance of our State (Director) Coordinators, officers and volunteers."

About the SERA Repeater Journal Magazine

The *Repeater Journal*, voice of SERA is published quarterly, on the first of the months of February, May, August and November and mailed free to members of SouthEastern Repeater Association, Inc. DEADLINES: News and Ad copy due the 1st of the month, one month prior to publication. (Jan. 1 for Feb, Apr. 1 for May, Jul. 1 for Aug. and Oct. 1 for Nov. issues.) The *Repeater Journal* is mailed Bulk Rate at the Post Office in Greensboro, NC. The *Repeater Journal* newsstand cover price is $3.00 and is available from numerous retail Amateur Dealers in the southeast. News and newsletter exchanges should be mailed to the Editor or for coveratge to individual State corresponodents whose addresses are in this book under their indivudal State Columns.

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About SERA Associate Membership

(A Membership for Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only $8.00 per year will enable one to support the organization and receive the Repeater Journal. Associate Membership deadlines are the 15th of the month preceding months of publications - (Jan. 15, April 15, July 15, and October 15). Persons joining or renewing their memberships must have their application into the Tobaccoville Post Office Box by those deadlines to receive the next upcoming Repeater Journal, published the first week of February, May, August and November. Memberships received after deadline will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (Repeater Journals mailed 1st Class rate) are limited to one year memberships at $14.25 per year. Regular membership Repeater Journals are mailed Bulk Mail. SERA does not issue receipts for Membership applications, nor are Repeater Journals forwarded to new addresses. If you move, we must be notified. Members should wait until next Repeater Journal comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, NC, 27050-0215 for further information. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership

(A Membership for Repeater Owners & Sponsors)

Officers and Directors are elected from Repeater representatives who are SERA Full Members. Any repeater owner or club may with a coordinated, operable, repeater, join SERA as a Full Member. Full Membership application, coordination information (if not on file) and $20.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the Repeater Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with a "Smiley Face" (☺) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, NC 27050-0215 for further information.

SERA Full Membership Closes Year 2001 on A Positive Note

New SERA Record Set

The SERA Full Membership chairman was kept busy this year as a new all-time number of repeaters in the voluntarily joined our organization. Our support totaled 1,412 repeaters in our 8-states, or 57.2% of all 2,469 known repeaters.

Our previous high of Full Membership repeaters was year 2000 when we got 1,375 members.

Every state showed a gain over last year, except North Carolina which had set a new all-time record last year. One state tied last years figures.

In addition, Kentucky, South Carolina and Tennessee set individual all-time high state records with 181, 101 and 232 full member repeaters respectively.

The largest repeater state is North Carolina with 468 machines, followed very closely by Tennessee with 464, and Georgia with 444.

The most memberships followed generally along the relationship to the number of machines in that state - North Carolina leading with 320 Full Members, Georgia with 243 and Tennessee with 232.

Percentagewise, the highest ratio of members vs total repeaters remained North Carolina with 68.4%, followed by Virginia with 62.8% and South Carolina with 61.2%.

Generates Operating Expenses

Full Membership by repeater owners generates about 50% of the operating income of SERA. The other is generated by Associate Membership, comprised of the repeater users or general ham community. The Repeater Journal requires a percentage of that membership revenue amount to publish. The remainder is utilized for reimbursement of phone and mail requirements of the coordinators, equipment for certain members of the board and other costs to carry on the business of running a coordinating organization the size of SERA.

We have been running the organization in a very efficient manner, and indications are again, there will not be Membership rate increases, nor advertising rate increases for 2002.

I also think we owe thanks to the outstanding voluntary membership of so many of our repeater owners, and the sustained support we receive with Associate Membership. This enables us to continue with our existing rates which have not changed since 1992.

SERA Service Remains FREE!

There sometimes remains confusion among some Amateur groups that SERA charges for it's service. This is not so. ALL services of SERA are free. We have never charged for coordination, or coordination renewal or any other service that we provide. We have been able to successfully derive enough operating income from our voluntary membership to keep us such that we don't have to charge for any of our services. Those of us who work and are members of the SERA board are kind of overwhelmed at the support receive. It kind of makes us think we may be doing a pretty good job. And that makes the hours we spend worthwhile.

Still Time to Join

If your are a repeater owner, and your listing in the index does not have the little SERA "Smiley Face" (☺), you can take care of that quickly, by filling out the Full Membership application on page 60 of this book, and return with your membership dues. We'll see that your membership is credited, your repeaters will get the "smiley face" (☺) and two representatives will each get the Repeater Journal. You may include as many repeaters as you are associated with on one single membership.

Deadline for the upcoming February Repeater Journal for Full Membership is Jan. 10, 2002.

Thank you for your support

MARC Charlotte VE Exams

The Mecklenburg ARRL VE team has released their 2002 examination schedule. Walk-in exams are held at East Baptist Ch. on Monroe Road, Charlotte, NC. at 9:00 AM. More info email: n4mh\@w4bfb.org or call (704) 948-7373. Mary Hunt. Dates are: Feb. 9, May 11, Aug. 17 and Nov. 9, 2002.

SERA Full Repeater Membership Report

Full Membership - By State - By Year - 1993 - 2001 | *FULL YEAR 2001 REPORT*

SERA STATE	TTL '93	TTL '94	TTL '95	TTL '96	TTL '97	TTL '98	TTL '99	TTL '00	Ttl. Mbr for 2001	TOTAL Mbr. %	TOTAL RPTRS	SERA STATE
GA	195	208	236	217	260	232	235	241	243	54.7%	444	GA
KY	80	86	122	129	140	154	165	166	181	59.3%	305	KY
MS	50	60	75	73	60	59	62	71	71	43.0%	165	MS
NC	243	265	274	295	283	288	278	329	320	68.4%	468	NC
SC	68	68	83	81	84	79	91	97	101	61.2%	165	SC
TN	188	182	202	193	227	221	206	225	232	50.0%	464	TN
VA(1)	157	173	178	162	181	189	182	170	181	62.8%	288	VA
WV(2)	62	70	82	84	90	95	80	76	83	48.8%	170	WV
TTLS	1043	1112	1252	1241	1325	1317	1299	1375	1412	57.2%	2469	ALL

(1) Total Virginia list does not include 100 or more Repeaters in T-MARC Territory, (North of Highway 33 and Latitude 38-degrees North), and
(2) 10 or more Repeaters in the West Virginia Panhandle area in T-MARC Territory.

Last update 10-19-01
Out of SERA Full Mbrs. 20

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January 19, 2002

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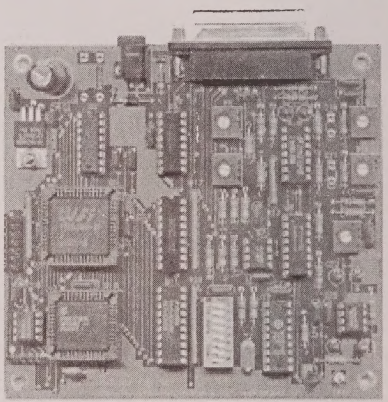
* *(4) Output Switches*



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The 29th Annual and Original

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AND COMPUTER SHOW

SATURDAY, FEBRUARY 2, 2002

SAME LOCATION AS LAST YEAR

Notice: No firearms permitted on the premises by law. This hamfest is considered a family affair. The committee reserves the right to eject any inappropriate materials from the premises.

CHARLESTON AMATEUR RADIO SOCIETY, INC.
CHARLESTON, SC
email: WA4USN@AMSAT.ORG

Stall High School, North Charleston SC

Near I-26 and Ashley Phosphate Road

Talk in - 146.79, 145.25, and 147.045

Doors open at 8:30 am

For details, contact Jenny Myers, WA4NGV

(843) 747-2324 or email: brycemyers@aol.com

Pre-Registration Form

Tables: Pre-registered - $8.00 per 8ft table at the door - $10.00, as long as they last. To pre-register tables, detach and complete this form, attach check made out to "C.A.R.S. Hamfest Committee", SASE (for tickets & receipt), and send to (to be received before January 18, 2002):

Jenny Myers, WA4NGV
2630 Dellwood Avenue
Charleston, SC 29405-6814

Number of Tables _____ **@ $8 each (includes 1 chair)** _____

Number of Attendees _____ **@ $5 each (includes 1 prize ticket)** _____

Total Enclosed _____

Company Name: _____

Address: _____

_____

City, State, Zip: _____

Telephone: _____

Point of Contact: _____

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FRS FreeTalk™

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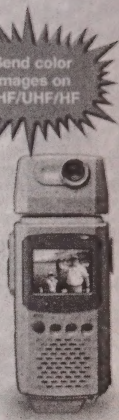
2 meters

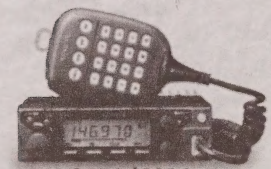
TH-G71A
2 meters
& 440 MHz

TH-D7A
2 meters &
440 MHz

TH-79AKSS
2 meters & 440 MHz



VC-H1
Visual
Communicator



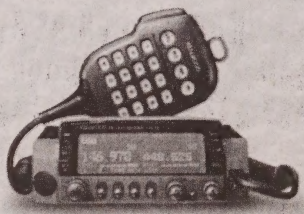
TM-261A/461A
2 meters/440 MHz

TM-541A
1200 MHz

TM-331A
220 MHz

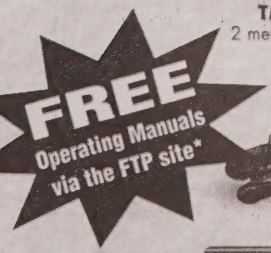
TM-742AD/642AD
2 meters & 440 MHz/2 meters & 220 MH

TM-G707A
2 meters & 440 MHz



TM-V7A
2 meters & 440 MHz

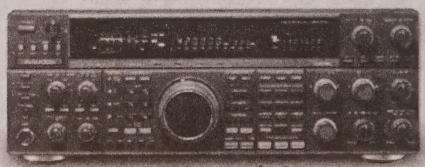
TM-D700A
2 meters & 440 MHz



TS-50S
Compact HF All Mode

TS-570D/S(G) w/DSP
HF All Mode or HF + 6m All Mode

TS-870S w/DSP
HF All Mode



TS-950SDX w/DSP
HF All Mode

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AMATEUR RADIO PRODUCTS GROUP
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Communications Equipment Division
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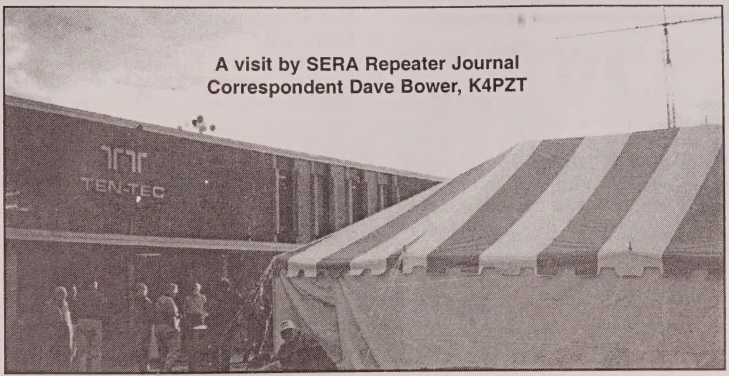
ISO9001 certification

INTERNET
Kenwood News & Products
http://www.kenwood.net
Kenwood Bulletins
*ftp/ftp.kenwood.net

Ten-Tec Hamfest Termed Success for 2nd Year



The line forms early at the front door of Ten-Tec for tours of the Factory during the hamfest.

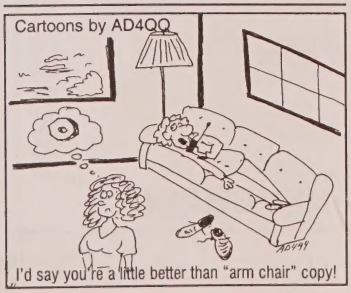
Willard Sutton, W4HZD conducted the Ten-Tec/Bencher CW Challenge at the Ten-Tec Hamfest

All indications pointed to a successful venture for the second straight year for the Ten-Tec hamfest. It was held friday evening and all day Saturday in September at the Factory location in Sevierville, TN.

There was no admission charge or charge to tailgate on Saturday. Tours of the Ten-Tec factory were conducted every 15 minutes. Four HF stations were set up for operation.

A Friday evening highlight was the Ten-Tec Bencher CW Challenge, administered by W4HZD. It was a high speed CW copying contest. The winner received a Bencher BY-2 Chrome base iambic paddle as prize.

Saturday's highlights were tailgating, and VE exams given by WCARS. Forums were also held during the day. At 10:00 am Allan Kaplan, W1AEL presented a forum on high performance receiver design. At 11:00 am, Doug Smith KF6DX gave a presentation on ARRL's new technical initiatives, including high speed networking, software defined radios and digital voice communications.



SERA Repeater Journal Advertising Rate Card

NO. 30 - Effective 1 January 2001

ADVERTISING SIZES & RATES

Full Color Covers Bleed 8-1/2x11"	$425.00
Full-Page 7-1/4x10"	$160.00
Full-Page Bleed 8-1/2x11" (+1/8 bleed)	$185.00
2/3-Page (V) 4-3/4x9-7/8"	$120.00
1/2-Page (H) 7-1/4x4-7/8"	$88.00
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1/6-Page (H) 4-3/4x2-1/2"	$36.00
1/6-Page (H) 3-1/2x3"	$36.00
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Spotlight Page -2-1/4x1-1/8 (4 Issues)	$30.00
Classified (30 Words Max.)	$5.00
SPOT COLOR (each ad/page)	$50.00
SPOT COLOR (Dbl 2-pgs side-by-side)	$50.00

2nd Color usually bright Red with/black

INVOICING & AD INSERTION ORDERS

DEALERS: With a volunteer staff we do not send out and receive advertising contracts and notices. Quarterly dealer invoices, after insertion, will request information pertaining to future insertions. If no instructions on the paid returned invoice copy are received, the ad will be repeated and invoiced the upcoming quarter.

HAMFEST: Advertising must be ordered each edition for insertion. Payment must accompany insertion order/advertising copy for Hamfest ads.

ADVERTISING PAYMENT POLICY

ADVERTISING INVOICES - are due upon receipt. Unpaid invoices will require us to withhold publication of any additional ads until account is paid in full. First time Advertisers, Hamfest advertising and Spotlight Page Advertising is to be paid in advance - Please submit check with order.

SPECIFICATIONS & GENERAL

ADVERTISING SIZES - All are listed above and calculated width by length in that order. Ads received that do not fit dimensions will be adjusted to the desired ad size if original will proportionally adjust There is no charge for this service.

We can take camera-ready positive photoprint, pasteup or Laser print ad copy or appropriate electronic transfer (call first for this means).

FULL COLOR COVER ADS, when available, are to be sized for full 8-1/2x11 bleed. 150-Line screens preferred. Must be submitted on CD in a digital format capable of being used by our printer. Color Match Proof, Color Key or Pre-printed tearsheet should accompany.

INSIDE DISPLAY ADS - Design, typesetting & layout is available at no charge for advertising to be run in the Repeater Journal. Proofs will be available for ads that our Sales persons construct with time for telephone or email corrections. No proofs may be available for ads submitted after deadline, due to staff and time limitations.

The Repeater Journal cannot be held liable or responsible for errors in advertising, or to the quality or accuracy of advertising claims.

WHERE TO SUBMIT ADS

All advertising copy and insertion orders should be sent to the Journal Advertising Department:

REPEATER JOURNAL ADVERTISING
600 LAKEDALE ROAD
COLFAX, NC 27235
Phone or Fax (10AM to 10PM M-F)
Toll Free: (888) 593-5527 or (336) 993-5527
email: k4mob@sera.org

AD & COPY DEADLINE DATES

Ad copy deadlines are normally the 1st of the month, prior to month of publication. The Repeater Journal cannot guarantee publication of any advertising that arrives after deadline unless prior arrangements are madewith the Ad Department.

FEBRUARY ISSUE - January 1
MAY ISSUE - April 1,
AUGUST ISSUE - July 1,
NOVEMBER ISSUE - October 1.

Dayton Debris...

the things you'll see at the world's largest hamfest

by Charles Cohn AG4HX

The interesting articles about the Dayton Hamvention in the latest issue of the *Repeater Journal* inspired me to write about what the highlights were for me.

One booth was selling kits of **lock picking tools.** These kits consisted of a bent metal strip and a flat tool shaped like a key, with a few teeth on it. To pick a lock, you insert one end of the strip in the lock and use the other end as a lever to exert very light force in the direction of unlocking. Then you push the other tool into the lock and pull it back and forth, rubbing the teeth over the tumblers. If you exert just the right amount of force, enough to take up the clearances in the lock but not so much as to grip the tumblers so tightly they can't move, eventually all the tumblers will slip into place and you will be able to turn the lock open.

The salesman demonstrated the technique and let the onlookers try it out. Many folks, including yours truly, were able to master it. Therefore, I bought a kit. However, I tried it out on the locks at home and was unable to pick *any* of them.

Another booth was demonstrating a device known as the **"potato launcher."** This was developed to solve a problem in the setup of a long-wire antenna strung from the house to the top of a tall tree. The problem is how to get the end of the wire to the top of the tree.

The potato launcher was designed to be superior to and supersede rock-throwing and bow-shooting. It consists of a couple of feet of two-inch plastic pipe, connected through a reducer fitting to a foot of four-inch pipe. Inside of the four-inch pipe there is a spark gap connected to a piezoelectric button of the type found in spark lighters.

To use the launcher, the fishing line is attached to a raw potato with a bent paper clip. Then the potato is pushed into the end of the two-inch pipe. It's too big to fit into the pipe, but the end of the pipe is beveled to a sharp edge, which cuts the potato to fit tightly. This allows the potato to be pushed down to the other end of the pipe.

A seven-second burst of hair spray is sprayed into the four-inch pipe, after which a cap is screwed on to close it. When the launcher is in position, a push of the piezoelectric button ignites the hair spray and sends the potato on its way. They claim they can get the potato up as high as 600 feet.

Still another booth was exhibiting two examples of the German **Enigma** encoding-decoding machine which the Allies successfully broke in World War II. Electrically it is very simple, consisting of a keyboard and a bank of lights in the form of a keyboard. The lights were connected to the key switches through four code wheels controlling which light would be illuminated by a given key. The operator would press a key corresponding to a letter in the message and would write down the letter that was illuminated. The wheels would move a step for each key pressed.

A large number of code wheels were available. They were changed every day, the operators being told which to use. If this system had been used in strict accordance with the prescribed procedures, it would have been unbreakable. However, lapses by the operators (like sending the same message with two different wheel sets at the end of a day) allowed the Allied cryptanalysts to find correlations that enabled them to break the code.

The final highlight was the **"lodging"** that I found. I discovered that I could park my Ford Econoline camper van along Basore Road, at the western edge of the Hara Arena grounds. During the day it was completely full, but if I arrived shortly after dinner, I could get very close to the flea-market entrance. Then I could settle in for a good night's sleep and be ready to hit the flea market in the morning.

With all that good stuff, how could I resist going again next year?

chasmagc@bellsouth.net

www.thesignman.com

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DECALS - DESKSTANDS

TheSignMan *of Baton Rouge*

Rick Pourciau, NV5A
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- ARRL Sanctioned Hamfest
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- Great Forums both days
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- Fabulous prizes

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P. O. BOX 221136
CHARLOTTE, NC 28222-1136
(704) 948-7373

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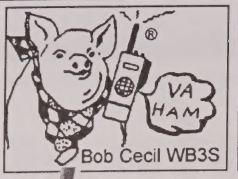
Charlotte Merchandise Mart
2500 E. Independence Blvd.
Charlotte, NC
Freedom & Independence Halls

FOR DEALER INFORMATION, CONTACT:
Tom Hunt, KA3VVJ
704-948-7373

Check out our web page for the latest info:
www.w4bfb.org
DEALERS! Take advantage of our early bird discounts!!!!



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VHRS *Stocks All the ADI/Pryme Radio Equipment!*

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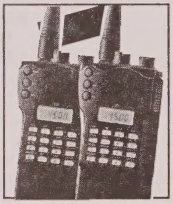
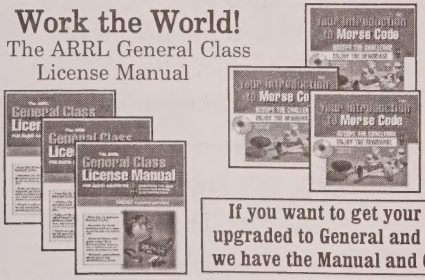
VHRS STOCKS ALL THE ACCESSORIES FOR ADI AND PRYME



Work the World!
The ARRL General Class License Manual



Pass the 5 WPM Code Test!

If you want to get your license upgraded to General and work HF, we have the Manual and Code CDs.

VHRS will be closed on Holidays and Hamfest Week-Ends. If you are driving a great distance, please call first. All warranties are with the manufacture, only. We do not sell on a trial basis. All sales are final. This is essential in order that all of our customers receive, new, unopened merchandise.

VHRS accepts: Cash, Personal Checks, Cashier's Checks, Money Orders, & COD. VHRS makes sales by: Direct Store and Hamfest Sales, Telephone Orders, Mail Orders, and National/International Sales via the Internet.

E-MAIL: Virginia.Ham.Radio.Supply.WB3S@worldnet.att.net

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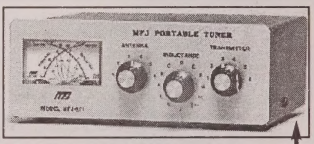
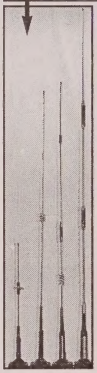
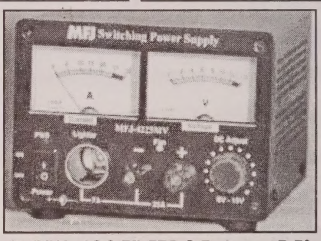


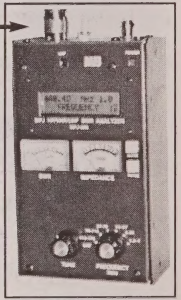


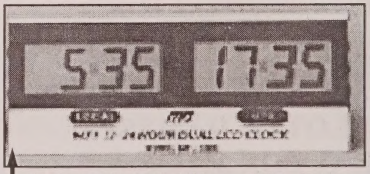


MFJ-971 Portable Antenna Tuner
Tunes coax, balanced lines, random wire
Cross needle SWR/Watt

MFJ-4225MV 25 Amp MightyLite™ Switching Power Supply - Adjustable

MFJ-269 HF/VHF/UHF
New! SWR Analyzer. Covers 1.8-170 & 415-470 MHz.





MFJ-108B 12/24 Hour LCD Clock UTC and Local time at a glance.

VA Ham Radio Supply, Inc.

2208 CHILDRESS ROAD
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TECHNICAL: (540) 382-3690
FAX: (540) 382-9049

MONDAY - SATURDAY 9:00 A.M. TO 5:00 P.M. (Closed Sunday)

Get the Hammer!

And let's get technical

Randy McKenzie, KB4YFV
3661 AIRPORT RD.
HILLSVILLE, VA 24343
kb4yfv@hotmail.com

There's a what?

I hope everyone is ready for winter! Only a few weeks until the snow will be flying here in Southwest Virginia. I have spent my summer building a house, and sad to say, not finished yet. I do have it under roof, and the porch and garage will be framed by press time. Kaitlyn is needing more room for toys that Paw PAw and granny found she needs - and I of course have some plans for my Ham antennae.

Several of you have emailed questions about my work with the Virginia State Police. Not to sound silly, but I actually do enjoy my work. The area I cover is the western end of the state, from Carroll, Pulaski, and Giles counties to the west. We have nine mountain top sites, seven area offices, and numerous other state agencies we maintain. This keeps all of us rather busy. The following is a true story. The language has been edited to protect my keyboard.

I arrived to our site for monthly maintenance. Normal routine is to do several checks on all the VSP base stations, so after pulling in my service monitor, wattmeter, and other gear (including my cooler for lunch) I made my way to all the radios.

All check OK, except for the standby VSP. Poor transmit power. Maybe a new set of tubes, or maybe a bad driver. Yes we still use tubes in our Motorola Micor bases. I visit my pickup for more tools, and begin my repair.

After a few minutes I have the covers open and begin checking the problem. Our stations have a few modifications for electrical power mounted in the rack, so reaching thru the area to flip on a test switch, I felt a tap on the back of my hand.

Now let me explain that I'm not scared of alot of things, mostly my wife and being late for a meal, but I became interested. Before I could pull my hand back, I had another tap. Now I became a bit more alert. I then noticed some small red places on the back of my hand, similiar to a briar scratch. I now was a little more interested. I calmly obtained my flashilight to examine the area in the radio. There in the corner. There the devil was. The cause for a mysterious utterance. Words spoken in the building that momma wouldn't like. A feeling of severe panic for a moment. Glad no one could see me right then.

You see, I am a man of six feet, 230 pounds of Grayson County born and bred hillbilly, but I froze in fear. No not really fear, but severe dislike. Hatred. Of little things that have eyes, that hides in the worst places.

Little snakes, big snakes, I HATE them ALL! I had discovered a giant python. Well, maybe not a python, but a little smaller. A brown snake with a yellow belly. He had discovered a nice warm place to hide.

Randy 1, snake 0.

I relate this story to you as a bit of fun, but also as a reminder. Check your buildings. It IS that time of year when critters look for a winter home. While I suffered no actual injury, my heart did flutter a bit.

Be careful when you are on the repeater sites. There are electrical parts, critters, and other people that we need to watch for.

Till next time! If first you cant kill a snake with a stick, try a shotgun... -Randy

ARRL Asks Members For Help

ARRL is encouraging members to write their members of Congress in an effort to build awareness that private land-use regulations have become a real problem for many Amateur Radio operators. ARRL's Steve Mansfield, N1MZA, says support from the amateur community will help to backstop the League's efforts to meet with elected representatives and staffers on Capitol Hill to discuss possible legislation.

As condominium complexes and planned communities proliferate, covenants, conditions and restrictions, or CC&Rs, have become a growing obstacle to amateurs who want to erect antennas. Amateurs who are affected by CC&Rs - are invited to adapt the ARRL's sample letter to their own situations and send it to their Congressional representative. A sample of the letter is on the ARRL Web site <http://www. arrl.org/govrelations/ccr-sample-letter.html>.

To find a Senator's mailing address, <http://www.senate.gov/contacting/index.cfm>.

For a Representative's mailing address, <http://www.house.gov/writerep/>.

Copies to: Steve Mansfield, N1MZA, Legislative and Public Affairs Manager, ARRL, 225 Main St, Newington, CT 06111; <n1mza@arrl.org> appreciated.

Rain DOES NOT Dampen Shelby -
It Just Keeps on Going Strong!

THOUSANDS OF PEOPLE

Again Enjoyed The Great -

2001 Shelby Hamfest

We Thank You - And We Hope

You'll Join Us for

Shelby 2002

Next Labor Day Weekend

Aug. 31 & Sep. 1

We Promise you -
It will get even Better!

To Be Held as usual at the

Cleveland County Fairgrounds, Shelby, NC

The Great Shelby, NC Hamfest -
"The Granddaddy of them all" - Proudly sponsored by the Shelby Amateur Radio Club

(More details and information in future Repeater Journal issues)

13th Annual JARSFEST 2001

ARRL Sanctioned Hamfest

SUN. NOV 18
8:00 A.M. TO 4:00 P.M.

AMER. LEGION COMPLEX
Hwy. 301, N.
BENSON, NC

Adv. Reg. $4.00 — At Door $5.00 — Child (Under 12) Free ,With Adult

Talk-In On 147.270 + 600

BUY, SELL, TRADE *Plus* EXAMS, DEALERS, FOOD

DRAWINGS: GRAND PRIZE – DUAL BAND 2 MTR/70 cm Transceiver

2nd PRIZE – Two Meter Mobile

(All Spaces Sold Out The Last 5 Years)

INSIDE TABLES FOR RENT Inside Set up: 6:00 AM, RESERVE YOUR SPACE NOW

Out Door Tailgating OPENS 6:00 AM

GREAT FOOD
Biscuits – Burgers – Dogs & More

NOTICE
Due to local ordinances and club policy, neither weapons nor pornographic material may be displayed or sold at the JARSFEST site.

Local Lodging:
DAYS INN (919) 894-2031 & DUTCH INN (919) 894-7562

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Amateur Radio Exams (Courtesy of RARS VE TEAM)

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Editorial Comment

(Continues from Page 1)

It was cut and paste all the way.

The photos had to be screened and printed at my daily newspaper workplace. By 1994 the SERA board approved the purchase of a new Pentium I computer to replace my old XT. New typesetting software was also included, with a neat new 600 dpi HP printer. As years passed, we updated computers and software keeping with the times.

In 2002 SERA and the Repeater Journal will take another bold step into the future. Our new editor Gary Pearce, KN4AQ of Cary, NC will assume all responsibility for carrying on the tradition of the Repeater Journal. He is very capable, and very willing. You will see a newer, cleaner style in his pages as he brings the Journal along using today's formats. For all practical purposes, the entire magazine will be digitally reproduced direct from computer to negative, bypassing the camera where so much loss occurs especially in photos.

There's one thing that will not change in the Journal. That is the "down home, local feel" we have tried so hard to project to our readers. I've never researched it, but I would guess that almost 1/3 of the readers today have been SERA members for 15 years or more. That's dedication! That is also why I looked so long, and finally found the man who could not only match the job I was doing, but take it to a new level.

I wish Gary the very best as he assumes one of the most fulfilling jobs I have ever known - being the person who puts out a magazine that is so widely read, and has such faithful readers. Gary also has the full blessing of the SERA Board of Directors.

You, the reader, always felt to me like "family," so I am sad to give up the job, but I am also happy that my "baby" - the Repeater Journal will continue the tradition of being the unique magazine that it is. There is none other like it in the United States.

I was so lucky to have some of the best amateur writers you could find who wrote about their area, the names, callsigns, clubs, and repeaters you all have read about. I thank them so very much for making my job look so good. Without them, there couldn't have been a Journal like you have gotten used to reading.

I promised my wife I wouldn't get mushy . . . so, I won't. I will say that I shall always remember, and be forever grateful for the dedication and support so many of you have provided me over the past 24 years - for you newcomers - for everyone.

I will see many of you in the future at some local hamfests. And yes, I hope to continue to write a little for Gary in future issues of the Repeater Journal. But, this is my last issue. The next issue is his. Please support him like you have done me over these many years.

And to each of you, farewell, my friends - old and new! We'll see you someday, somewhere down the log.

-Wayne C. Williams, K4MOB, Retiring Editor

Fred Jones Leaves SERA Staff After 16 Years Service

Fred Jones, WA4SWF resigned as Repeater Journal Correspondent in early October. Fred said that he was having some occasional health problems, and needed to drop off some of his duties.

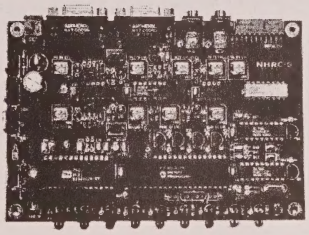
Fred has been a very sincere SERA supporter since 1985. He was the first Director in the new SERA District of East Kentucky. He served as their coordinator for three years, until the remainder of the state joined SERA , making all of Kentucky a District in 1989. His Vice-Director in the beginning, assumed the job of Director upon Fred's departure.

In 1990 Fred began sending news coverage about Kentucky to the Repeater Journal. His shining hour was the series of stories about Kentucky repeaters, complete with pictures of the systems and antennas. Over the years, he has faithfully represented SERA at many Kentucky and West Virginia hamfests.

We are very sorry to see him move on and we wish him the best in his future endeavors in ham radio. *-Editor*

NHRC

REPEATER CONTROLLERS



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Anatomy of an "Incursion"

by Gary Pearce KN4AQ

August 10, 2001

Derek's Trucking
3102 Rockspring Church Road
Creedmoor, NC 27522-1964

SUBJECT: Warning Notice--Unlicensed Radio Operation

Dear Sir:

Monitoring information before the Commission shows that you have been operating radio-transmitting equipment without a license on frequencies in the Ten Meter Amateur Radio Service band. Your truck bearing license plate ZB20189 was monitored transmitting on Ten Meter frequencies on July 19, 2001 at 10:30 a.m. on U.S.1 near Cary, NC, at 2:50 p.m. on Kildaire Farm Road and from 3:00 to 3:30 p.m. from a landfill near the intersection of State Road 55 and Sunset lake Road. Re-transmissions of Nextel two-way communications were also sent from the truck on Ten Meter frequencies.

Please be advised that operation of radio transmitting equipment without a license is a violation of Section 301 of the Communications Act of 1934, as amended, 47 U.S.C. Section 301,and will subject you to fine or imprisonment, as well as an in rem seizure of any non-certified radio transmitting equipment, in cooperation with the United States Attorney for your jurisdiction. Monetary forfeitures normally range from $7,500 to $10,000.

You are requested to contact me at 717-338-2502 to discuss this matter.

Derek Pleasants is a small businessman who owns a few dump trucks. These days he and his men are pretty busy hauling debris from the new beltline being built around Raleigh, NC, to a landfill in southern Wake County. They use Nextel phones for business, and some CB radios for keeping in touch and, well, goofing around.

"They're real nice CB's," Derek said. "Real expensive, with lots of power. They have a high band and a low band. You can get them at truck stops and CB shops."

And that is about all Derek knows about the Connex 4400 radios that sit on the dash of each of his trucks. Well, he knows one more thing about them now - they can get you in trouble.

Earlier this year, Derek received a letter from the FCC's Riley Hollingsworth. A warning letter, citing the fact that someone in one of Derek's trucks had been monitored talking on the 10 meter Amateur Radio band without a license. It could cost him several thousand dollars. "I'll fire the driver who did it, if I have to," Derek said.

He won't have to. The letter was only a warning, and Derek had a chat with Riley on the phone. He still doesn't completely understand what he and his drivers have been doing wrong, but he does understand that there are some channels on his expensive CB that he can't use. Some of the 240 channels total that the Connex radio can dial.

"We went to that channel because it was quiet. Nobody else was using it," Derek said.

But somebody else was listening to it. The quiet channel was 28.085 MHz, in the low end of the 10 meter band, the cw segment. Some hams across the country listen to 28.085 and adjacent frequencies, looking for intruders. And they hear plenty.

One such team of hams in the Raleigh, NC, area was listening when two of Derek's employees were chatting and goofing around while hauling a load to the landfill. As the signals faded a bit, the hams thought they were hearing skip. Then they heard what sounded like some local references, and when the signals picked up strength, the hams got a bearing and took off in that direction. Eventually they spotted one of Derek's dump trucks, and made a positive ID on one of the transmissions. The details went off to Riley, and Derek's letter, a public-record document printed in ham magazines and posted on the web, followed.

This team of hams, who need to remain anonymous, has had a few other successes. Last year, they found a fellow jamming a wide-coverage Raleigh repeater. They had been looking for this particular jammer for a long time. A letter from Riley brought both a denial... and the end to an apparent source of jamming.

The DF team does not approach their quarry when they are successful. They just document everything and send it to Washington. In the past, when they weren't so careful, they've encountered threats and even some minor damage to an automobile from irate operators.

Derek Pleasants, owner of Derek's Trucking, received a warning letter from Riley Hollingsworth for unlicensed operation in the Amateur 10 meter band

continued on next page

INCURSION continues.....

Derek, though, wasn't irate. Worried, a little, but not irate. In fact, he was most cooperative and willing to share what he knew, and didn't know, about two-way radio. "Mostly I use them with my hunting group. We don't know that much about them." Spectrum? No. Bands? No. Amateur Radio? He's heard of it. Doesn't know much about what, or where, that is.

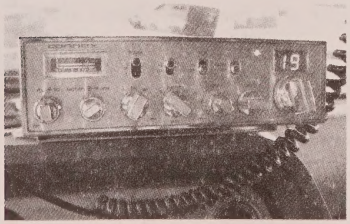
The service technician at a local CB shop wasn't surprised. "Most of the truck drivers and hunters we sell these radios to don't know anything about that stuff," he said. "They buy them for the extra features (echo mic, roger beep), and because they're easier to repair. They're not necessarily looking for extra channels. They don't want to operate in the 10 meter band. In fact, we wish we could modify them so they *didn't* operate in 10 meters."

At first, the service tech was a bit more circumspect. No, he didn't know anything about CBers operating in 10 meters, or where the radios came from. This despite the radio sitting on a nearby shelf labeled "10 Meter Amateur Transciever." Once assured that the *Repeater Journal* wasn't doing an exposé on that particular store, he and the store's owner gradually became more forthcoming.

THE WORLD OF "EXPORT" RADIOS

Welcome to the world of "Export" radios. New hams who have recently arrived from CB are likely to be familiar with these shady radios. Old timers might be in for a ruder awakening.

There are many radio models on the market sold as "10 meter Amateur radios." Some are SSB, some are AM, and a few, like Derek's Connex, can be operated on FM (though it's stock frequency coverage stops below 29.5 MHz, so it doesn't cover the 10 meter FM band).



Channel 19 on this Connex 4400 "Export" radio, sitting on Derek's dash, can be one of 8 actual radio frequencies. One of them is 28.085 in the 10 meter band

Few of the radios are sold to hams. They are specifically designed to be "modified" to expand their coverage below 28 MHz, where they will operate on the regular 40 CB channels, and many more, from below 26 MHz to the middle of the 10 meter band. The modification usually involves removing a resistor or two, and no surface mount stuff. Most of the radios aren't particularly high power - less than 20 watts is typical. They cost between $150 and $400, and are available from CB shops (which will do the mod for those who don't feel handy with a soldering iron), and truck stops (which may not do the mod, leaving the buyer with a 10 meter radio).

And dealers proliferate on the internet, where one dealer will sell the radios "peaked and tuned" for an extra $10 to $20. The dealer's web site explains that "peaked and tuned" means that the radio will be capable of operating out of the legal CB band, with more power than is legal on CB. It is the buyer's responsibility to make sure that operation is kept legal in the country they are going to operate in, thus the "export" designation.

Few of the radios have direct frequency readout. Most have a channel indicator which just reads between 1 and 40. For expanded coverage, the radios have a complex set of knobs and switches, like the Connex, which has a "high/low" switch, and a "band" switch. Each combination of switch positions yields 40 channels of operation somewhere in the total spectrum of the radio, somewhere between 25 and 29 MHz.

The combination of E/A and HI puts the radio on 27.185 MHz, CB Channel 19. Switch to G/C HI and you're on 28.085 in the 10 meter band.

With the Connex radio, a flip of the "band" switch moves the operator from CB channel 19 (27.185 MHz) to 28.085 MHz on 10 meters. Other radios do the same, making that frequency a particular hot spot.

And this complex operation leaves the operators completely in the dark about what part of the spectrum they're using, unless they carry a conversion chart with them and understand what it means. The people who buy the radios may have an inkling that there's something illegal about their coverage, but few know the specifics, and nobody cares, since "everyone does it."

That's why the CB shop owner wishes they could modify the radio to *not* cover 10 meters. He said they warn buyers which channels not to use, but it doesn't mean much to the buyer. And they have to do mods, or the radios would be left on 10 meters, and they don't want to sell radios like that. They don't mind abetting an "incursion" in the space immediately above and below the legal 40 CB channels, but the 10 meter ham band means trouble.

There are a few CB users who know better. The true CB hobbiest knows what he's doing, and a few of the more arrogant ones just don't care if they end up on 10. And then there are some hams who have modified their Amateur equipment and continue to also operate around the CB channels (putting their Amateur license at risk).

Is anybody concerned about Riley? A letter like the one Derek got causes some ripples in the local pool, but for the most part, CB users have never heard of Riley, and couldn't care less.

Amateurs who are aware of the 10 meter incursion problem encourage more operation on the low end of 10. The problem is that this is cw territory, available only to those with General or higher class licenses.

How big a problem is incursions in the low end of 10? That's hard to say. When the band is open, you'll often hear a few AM signals, most of them speaking Spanish. But even through the current sunspot peak, all of 10 meters remains sparsely occupied by hams, and the cw segment is almost always devoid of hams unless there's a contest. We may not be losing it as far at the FCC is concerned, but practically, it's changing hands a little at a time.

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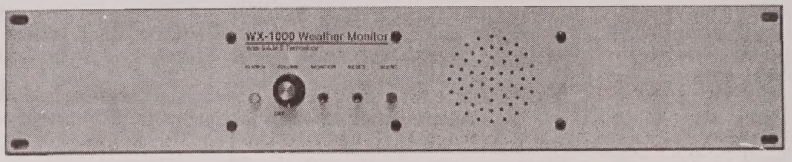
The NOAA Weather Radio Network broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. With so many unsettling weather conditions, don't you think its time to provide timely weather alerts for your repeater group?

Specific Area Message Decoder

A digital decoder responds to Specific Area Message Encoded (SAME) alerts transmitted by the NOAA weather station located in your area. Select your county code and the type of alert. Select warnings and or watches.



Voice Synthesizer Alert Message

Imbedded in the alert information packet is the time the warning or watch is in effect. The voice synthesizer will periodically key-up the repeater transmitter and announce the nature of the alert. "Severe Thunderstorm Watch" "Tornado Warning" "Winter Storm Warning" "Flash Flood Watch" "Hazard Material Warning" "Avalanche Watch" "Law Enforcement Warning" and "Civil Danger Watch" are just a few of the voice synthesizer announcements.

Alert Message Transmit Timing

At the conclusion of an alert, a termination packet turns the transmitter off.

Repeater Interface

The WX-1000 has been designed to easily interface to your repeater. A minimum of four connections is all that is required.

Weather Enable Input

Ground this input to provide weather reports on demand.

Weather Alert Log

The WX-1000 stores the date, time and type of alert in memory. Use the RS-232 port and the configuration program to down load the log.

Alert Start Logic Output

This output provides a TTL logic high when a weather alert is received. It can be used to set off an external alarm or trigger the controller to execute a macro or load a memory save.

Alert Stop Logic Output

Included in the digital packet is the length of the alert. The WX-1000 generates a stop logic output when the time period has expired. Use this output to reload a normal memory save.

Weather Disable Input

Ground this input to prevent future alerts once a sky warn net is activated.

Weather Data Output

The WX-1000 provides a raw data output to an alphanumeric pager or a computer based alarm system.

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WX-1000 *Digital Weather Receiver, With Windows Configuration Program:* ***$399.00.***

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Georgia Baptist Hams Respond to September 11 Terrorist Attack On World Trade Center in New York

A Repeater Journal
COVER STORY

Special to the Repeater Journal
-by Terry Jones, W4TL Unit Director, GA 14C
Chattahoochee Baptist Association
Disaster Relief Communications Unit.

The Georgia Baptist Disaster Relief Communications Unit trailer from Gainesville ready to roll. Inset photos, Phil, K4PDL, Terry, W4TL and Ed, KF4PHY load the truck, then pause for photo.

Tuesday morning, September 11, 2001 and the events that followed will be etched in my mind forever. I received a call from a friend, shortly before 9:00 AM, who told me to turn on my TV and watch because a plane had just hit one of the World Trade Center Towers in New York City. He and I were still on the phone as I saw the smoke coming from the tower. We both thought it might have been an accident with a small plane, but within seconds we saw another plane strike the second tower. I told my friend, Darryl Dale, W4REV, that this was not an accident, that it had to be a planned act of terrorism.

I remained focused on one of the national TV news networks as new events began to unfold. Another plane then struck the Pentagon in Washington, DC and another crashed in Pennsylvania. News was flashed that all air traffic in the United States was immediately grounded. We will probably never know how many more lives would have been lost had this not been done. I was emotionally stunned and could not believe that these things were happening here in America. I prayed for those in the vicinity and hoped that somehow those that were in these burning infernos could be rescued. I was shocked as I watched the first tower succumb to the stress it had been placed under and fall to the ground. I was further horrified when the second tower collapsed. I continued to watch TV as other events of this tragedy began to unfold and wondering if our communications unit would be called into service.

A Little About our Organization

I am involved with several different Amateur Radio related organizations, which are all public service oriented. The particular group I am referring to here is the Georgia Baptist Disaster Relief Communications Unit. Georgia has two such units, one stationed here in North Georgia (Gainesville) and another in Southeast Georgia (Moultrie). Our role is to support the Georgia Baptist Disaster Relief Operations during a local or state disaster and to support the Southern Baptist Convention Relief effort on a national disaster when called upon. Members of our communications unit are no strangers to working in disaster areas. We have served in numerous local, state and have traveled to different parts of the Southeast and even Puerto Rico in national disasters since our unit was organized in 1996. Baptists are traditionally known for their feeding units, which go into a disaster area and prepare meals for victims and relief workers. Most people are not aware that Baptist feeding units prepare and cook 95% of all meals served by the American Red Cross in a disaster. The Baptist portable kitchens

(Continued on Page 17)

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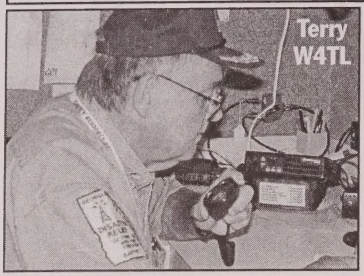
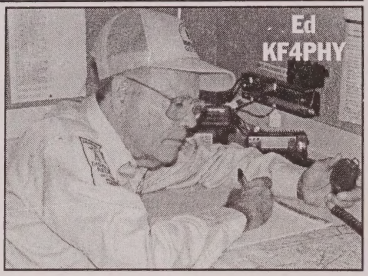
Allen 2001

GA Baptist Hams Respond to NY Tragedy

(Continues from Page 17)





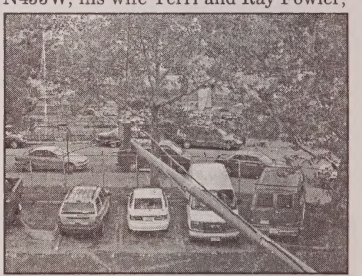
THREE of the OPERATORS - Amateurs from the GA Baptist Disaster Communications unit worked difficult shifts during their week in New York City. The operators took turns with long shifts at the radio positions maintaining communications with the other Disaster Centers stationed in the area.

prepare the meals and Red Cross serves and delivers them in their ERV's (Emergency response Vehicles). Most all state Baptist Conventions have other disaster relief units in addition to feeding units. There are clean-up and recovery units, which have equipment to remove trees from houses after a tornado or hurricane and to "mud-out" houses after a flood. Some have child care units which provide temporary child care for children while their families are applying for assistance from disaster related agencies. Some have shower units, which provide a facility for disaster workers and volunteers to take showers. There are also water purification units, which can purify water in a disaster area for consumption. Some states have communications units. Our communications unit is tasked with the responsibility of setting up and maintaining a reliable communications link complete with equipment and operators (amateur radio) at each of our disaster relief unit locations in a disaster area to provide invaluable logistical support for these units when normal means of communications (cell phones, telephones, etc.) are not available.

Our communications unit is equipped to set up almost any type of communications system needed in a disaster area. We have on board two completely portable commercial grade UHF repeaters, several 50 watt VHF/UHF base and mobile units complete with antennas, power supplies, etc. so we can set up base units at several locations. The unit contains masts, a generator, antennas, HF radios, a computer, a fax and telephone equipment. We also have on board enough support apparatus to maintain this equipment. All of this equipment is housed in an 18-foot trailer which is equipped with operating positions and is pulled by a one-ton F-350 crew cab truck. When operating in the field, we use the call sign, W4CBA, which is synonymous with our sponsor, the Chattahoochee Baptist Association of Gainesville, Georgia. Our group also sponsors the W4CBA (444.625 Mhz) repeater located on Sawnee Mountain in Cumming, Georgia. All of our equipment was bought and is financially supported by the CBA, which is a group of organized Baptist churches in the Gainesville, Georgia area.

Soon We Got the Call

At approximately 2:30 PM, September 11th I received a call from the Georgia Disaster Relief Task Force, asking that we place our communications unit at OPCON 4, which is notification that there has been an incident and we may need to respond. At 10:30 PM I received another call placing our unit at OPCON 1 (GO) for deployment to New York City. Our group spun into action and the next morning fellow amateurs Ed Cravey, KF4HPY, Phil Loggins, K4PDL, and I were readying the unit for deployment when we discovered that someone had stolen the battery from the unit and had stripped some of the electrical wiring. We replaced the battery, repaired the wiring and had the unit ready to go by Wednesday afternoon. While all of this was going on, our Unit Off-Site Director, Peggy Parrish, K4PEG, began soliciting volunteers for this deployment. We knew it would be at least a week's commitment for this mission and that was explained to our volunteers. Ed, Phil and I packed our bags and were on the road early Thursday morning, the 13th. After driving non-stop for eighteen hours, except for fuel and to eat, we arrived at the Raritan Valley Baptist Church in Edison, NJ, which had been selected as a staging area for our volunteers to report to for this operation. We were joined there by Jackie Whitlock, N4JJW, his wife Terri and Ray Fowler,



A cantilever antenna (Hard to see because of trees in photo) was stuck out a window of one of the buildings to help the group communicate. The haul was as much as 30 miles on 2M simplex. The group could not use their portable UHF repeaters during the week.

KE4UWX, who had also answered the call. Others in our group who came to NY to fill "gaps," and relieve those who had to return home during mid-week were: Howard Griffin, KD4CPK, Jim Hadder, KE4ZX, Eddie Moore, W4REV, Clyde Thomason, N4FCL, and Ed Henry, W3EDH. I really appreciate all the work these fellow amateurs did.

What Units Were Called?

The Red Cross had asked for four Southern Baptist kitchens to support the New York relief operations. The following kitchens were activated (NY, VA, TN, and KY). The NY and VA

(Continued on Page 19)

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GA Baptist Disaster Relief
Continues From Page 18

Terry Jones, W4TL gets a message to deliver from Phil, KA4PDL during communications in New York. The Baptist Disaster groups logged over 3,700 volunteer days, and prepared over 239,000 meals for the Red Cross to serve. The local group was on site about a week.

kitchens set up together as one at the Navy Shipyard in Brooklyn. The TN kitchen set up at the UPS Terminal in Manhattan and the KY kitchen set up underneath the Brooklyn Bridge on the Brooklyn side. Communicators and equipment were set up at these locations to provide the much needed logistical support for this massive feeding operation. The Southern Baptist Feeding Coordinator was stationed at the Mass Care Office at the Red Cross in Brooklyn and communications were set up at this location as well. This installation presented us with somewhat of a challenge for communications as we could not get to the top of the building to erect a suitable antenna. In this case amateur ingenuity sprang into action, we were able to erect a cantilever antenna to fit the need (see photo). It was necessary that all of these locations be able to communicate over a distance of approximately 30 miles back to Edison, NJ and this required that we all have gain antennas at a respectable height. HT's were totally useless in our operation because of their limited range and were rendered useless by all of the inter-mod in New York and Brooklyn. Most of the repeaters in the New York area were busy with other traffic (ARES, Red Cross shelters, etc.) so it was hard to find a repeater that we could really depend upon. I managed to locate a repeater on 147.225 which was owned and operated by the New Jersey Inst. of Technology ARC in Port Murray. After making contact with those responsible for the repeater, they relinquished this frequency for our use of which we are very appreciative. We also made use of 146.565 simplex and were able to use this frequency for most of our traffic. We maintained a reliable communications link with the four units in Brooklyn and Manhattan and the staging area in Edison, NJ a distance of 30 miles on simplex. I had doubts as to whether this would work because many of the antennas were much lower than surrounding buildings but the gain antennas and an average height of 35 to 40 feet with 50 watts did the trick. We were not able to utilize our portable UHF repeaters because there were others in the area on the same frequency. Making our portable repeaters operational would have caused interference to NY repeaters. Inter-mod in NY City and Brooklyn was terrible and was the worst I had ever experienced in my 35 plus years of amateur radio. Being able to provide communications in these conditions proves that amateur radio is still an integral part of disaster and emergency communications. We are able to utilize what resources we have at our disposal to get the job done. The Georgia Baptist Communiations Motto is: "Getting the Message Through" and that is exactly what our group did.

We understand that Motorola

(Continued on Page 21)

What is Interference-Free Local Repeater Operation Worth to you?

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RJ 11-01

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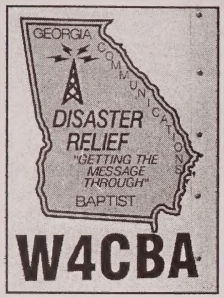
GA Baptist Disaster Relief

(Continues from Page 19)



The logo from the side of the Communications Trailer.

donated an 800 Mhz trunking system, complete with portables, for this operation and placed the main trunking repeater on the Empire State Building. This greatly enhanced Red Cross's ability to communicate with its vehicles (ERV's) and total operations. We understand they also donated one million dollars cash to Red Cross for the relief effort. Everyone was working together to make things work despite this terrible tragedy. Cell phones in the area were almost unusable during the early days of the disaster but service slowly improved. We noticed portable cell phone installations being made all around the area and service improved on a daily basis. By Saturday, September 22nd, our kitchens were able to communicate back to Mass Care reliably on their cell phones and hard line phones which had been installed and our services as communicators were no longer needed. All of our group that remained returned home on September 23rd with the exception of Eddie Moore, W4REV, who had just arrived a day before. He is also a Red Cross DSHR Member so they gave him a job there for another couple of weeks.

The Baptist feeding operation continued as we write this, and may do so for several more weeks until things begin to take a turn back to normalcy. As of September 28th, Baptist feeding units have prepared a total of 238,717 full course meals for this disaster. A full course meal is an entrée, two or three side dishes and a drink. There have been a total of 3,701 volunteer days. A volunteer day is one volunteer working one day. As you can see, the Baptist volunteer group has been a busy lot since September 11th.

Memories of What I Saw

Some things that will be in my memory forever were the heavy smoke that continued to rise from the site a week after the event and the smell of smoke as you got closer to Ground Zero. You could even smell the burning as far away as Edison, NJ, the staging area. Seeing the faces of the rescue workers, with a look of emptiness, such as you would see if someone had lost their best friend, which in many instances was exactly what happened. The high visibility of increased security in the area. Everyone in NYC was in a somber mood, there were no auto horns blowing as you would expect as you travel down streets in Manhattan. As sad as this event is, I feel that our nation is united once again because of what has happened. I am proud to be an American and thankful for the freedom that we enjoy in our daily lives. Most of all, I am proud to be a born again Christian and place my complete trust in God. I know fully that God will lead us and our nation through the difficult times we will face in the future because of this tragedy.

God has given each of us a "gift" of service in some form and each of us do things for different reasons. My gift from God is to be able to help in some small way in a disaster.This is the reason that I do what I do. We should all pray that God will lead our nation in the following weeks, months and perhaps years as we address this tragedy. Each of us should also pray for guidance as to how we can best serve our Lord with our God-given gifts and abilities in various manners.

There is always a need for additional trained communicators. It is not necessary that you be of Baptist denomination to be a volunteer with the Georgia Baptist Communications Units. It is desirable that you be a licensed amateur radio operator and be willing to donate a little of your time when a disaster happens. If you would like further information on becoming a volunteer you may contact either Terry Jones, W4TL, e-mail w4tl@arrl.net or Dale Culp, W1BPP, e-mail w1bpp@planttel.net

FCC Says Band Plans Do Matter

-adapted from The ARRL Letter

The FCC recently asked three amateurs to respond to complaints alleging that they deliberately transmitted SSB on top of CW stations operating in the vicinity of 1820 to 1825 kHz. The FCC has never designated mode-specific subbands in the 160-meter amateur band. Instead, operators are asked to voluntarily adhere to the ARRL band plan, revised this past summer, which recommends a lower limit of 1843 kHz for SSB operation.

In the wake of the complaints, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth wrote George Wehrung, W5TZ, and Dennis Clauder, KT5S--both of Texas--and Derrick Vogt, WA4TWM, of Kansas in mid-September. Hollingsworth asked each to respond to allegations from several other operators that their SSB transmissions deliberately interfered with attempts by others to operate on CW between 1820 and 1830 kHz. Copies were sent to all three operators.

"Band plans are voluntary in nature," Hollingsworth acknowledged in each of the similarly worded letters. He said the FCC depends upon voluntary compliance because it minimizes the necessity for the Commission to be called in to resolve amateur problems. "Where interference results from band plans not being followed," Hollingsworth continued, "the Commission expects substantial justification to be shown by the operators ignoring the band plans."

Hollingsworth requested that Wehrung, Clauder and Vogt each reply within 20 days.

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Vice Director Candidates in Three ARRL Divisions

-From ARRL Bulletin 36

There will be one new director on the ARRL Board in January. Southwestern Division Vice Director Art Goddard, W6XD, will move up from the back bench to succeed outgoing Director Fried Heyn, WA6WZO.

A director since 1984, Heyn has decided to not seek another term.

The only real suspense in this fall's balloting will be the outcome of contested races for vice director in three divisions.

In the Pacific Division incumbent Vice Director Bob Vallio, W6RGG, faces a challenge from Gerald D. Griffin, K6MD. In the Southeastern Division, West Central Florida Assistant Section Manager Paul J. Toth, NA4AR, and Georgia SM Nelson E. "Sandy" Donahue, W4RU, will contend for the seat being vacated by Vice Director Evelyn Gauzens, W4WYR, who is not seeking a new term after 22 years of service. In the Southwestern Division, Edward J. Stearns, AA7A, and San Diego SM Tuck Miller, NZ6T, will face off for the seat Goddard is vacating.

In addition to Goddard, those unopposed for directors' seats are incumbents Jim Maxwell, W6CF, in the Pacific Division; Walt Stinson, W0CP, in the Rocky Mountain Division, Frank Butler, W4RH, in the Southeastern Division and Coy Day, N5OK, in the West Gulf Division.

Those unopposed for vice directors' positions are incumbents Warren G. "Rev" Morton, WS7W, in the Rocky Mountain Division; and David Woolweaver, K5RAV, in the West Gulf Division.

Ballots went out October 1 to ARRL members on record in the affected divisions as of September 10. The completed ballots are due back at ARRL Headquarters by November 16.

ARRL Section Manager Results

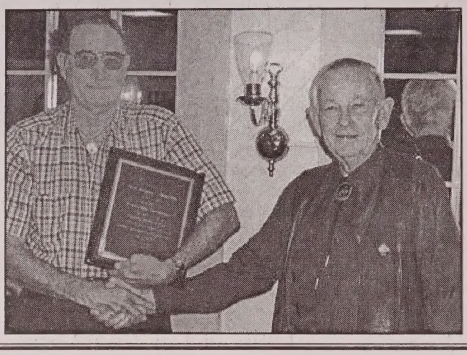
-From ARRL Bulletin 35

In ARRL Section Manager Election Results West Virginia got a new Section Manager on October 1. In membership balloting, Hal L. Turley, KC8FS, of S Charleston narrowly defeated incumbent O.N. "Olie" Rinehart, WD8V, 252 to 235. Rinehart had served as SM since 1994. Turley has been a ham for 35 years and an Official Observer since 1995. He's an active DXer.

Six other Incumbent ARRL section managers ran unopposed and were re-elected. In SERA territory they included Sandy Donahue, W4RU, of Georgia. Votes were counted August 21 at ARRL Headquarters.

All terms are for two years which began October 1, 2001.

Ray Adams, N4BAQ Receives NCVEC Plaque



Ray Adams, N4BAQ is congratulated by R.C. (Smitty) Smith, W6RZA after being presented a plaque on behalf of all of the Nation's VECs. The award was given to Ray for all his years of service through the WCARS VEC and his valuable leadership and contribution to the staff of the National Confer-ence of VECs. Smith is the conference representative for GLAARG VEC of North Hills, CA. Adams is retired in lives in Knoxville, TN.

FCC Liaison Corner

-by Frank Lynch, W4FAL
SERA FCC Liaison Committee Chairman

This edition of the FCC Liaison Corner actually pertains to control operator designations for your repeater.

All of us that are have our call on a repeater (either your own call or a club call for which you are the trustee), should give some thought to making sure that you've got proper documentation in your station records for any individuals that are designated to be control operators for your repeater.

There have been several recent FCC enforcement actions involving issues with control operators (the most recent being the W6NUT repeater in California).

FCC rules require the following:

§97.103 Station licensee responsibilities.

The station licensee is responsible for the proper operation of the station in accordance with the FCC Rules. When the control operator is a different amateur operator than the station licensee, both persons are equally responsible for proper operation of the station.

(b) The station licensee must designate the station control operator. The FCC will presume that the station licensee is also the control operator, unless documentation to the contrary is in the station records.

What does this mean for most of us? It means that if your call is on a repeater that you OR other designated control operators are ultimately responsible for the operation of the repeater. If you have agreements with other hams to act as control operators on your behalf (none of us can monitor the repeater 24/7, but we as control operators are responsible for it 24/7 if it's available for usage.

As several trustees have found out, those control operator designations and assignments should be in writing and part of the stations records.

If a problem occurs due to lack of a control operator, we may be asked by the FCC to produce the documentation for the designated control operators.

Lower Amateur Radio Vanity Fee Effective September 10

ARRL Bulletin #37 - The FCC announced the fee for a new or renewed Amateur Radio vanity call sign would drop to $12 effective this past September 10. Applications now received will be subject to the new fee. The old vanity call sign fee was $14.

The FCC proposed the lower fee last March in a Notice of Proposed Rulemaking for the Assessment and Collection of Regulatory Fees for FY 2001. The FCC has estimated that 8000 applicants will apply for vanity call signs in the current fiscal year.

Earlier this year, the FCC also put paper and electronic vanity call sign applications on an equal footing in terms of processing priority. The FCC used to give priority to electronic applications for vanity call signs.

FCC rules stipulate refunds for applicants who inadvertently overpay a regulatory fee. Applicants who determine that they overpaid a vanity fee may request a refund in writing. Requests seeking a "Vanity Fee Overpayment Refund" go to FCC, 1270 Fairfield Rd, Gettysburg PA 17325-7245. Refund requests should indicate the date of application, the total fee paid, and the total refund owed.

For more information, visit the FCC Amateur Radio Web page, www.fcc.gov/wtb/amateur/VanityCS.html

IMPORTANT NOTICE!
Beginning next issue:

Please send all news, photos & stories

To the new Editor, Eff: Jan. 1:

Gary Pearce, KN4AQ

116 Waterfall Ct. ● Cary, NC 27513
(919) 380-9944
Email: kn4aq@sera.org
(Advertising should continue to be sent to the Advertising Dept. Colfax Address. See Pg. 2)

THE SERA OFFICIAL REPEATER INDEX

FOR: GEORGIA ■ KENTUCKY ■ MISSISSIPPI ■ NORTH CAROLINA ■ SOUTH CAROLINA ■ TENNESSEE ■ VIRGINIA ■ WEST VIRGINIA

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SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings is that of the actual repeater owner or sponsor. SERA makes every effort to keep the index as accurate as possible with information provided. The SERA ***Repeater Journal*** repeater lists contain certain repeaters which are NOT or have not been coordinated by SERA, or are not operating according to recognized frequency utilization plans. SERA does not necessarily condone, or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas surved by SERA.

Some repeaters allow voice as well as other functions on their machine. Operators should check with owners for additional information about what is allowed, and what features are available. Digital Repeaters with normal input/output (pairs) are listed in the regular FM repeater index. Digital systems operating simplex are not coordinated by SERA and are not on our repeater lists. For tone-accessed repeaters, the codes column contains the tone or access code for those repeaters which the owner or trustee has given us written permission to publish. They are in the By-State, and By-Frequency listings.

Entries with "#" in front of city indicates repeaters added to this index that have not been coordinated through the local SERA state coordinator. Owners may work with their coordinator to get this indicator removed. Repeater frequencies which have been coordinated but may not yet be on the air are listed with "PROP" showing in the codes column. Unknown listings are in a separate area.

Repeater owners are reminded to contact their local Frequency coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements. There is no charge. The annual SERA repeater datasheet, sent to all known repeater operators, should be accurately updated each year and returned to SERA

SERA RECOMMENDED FM VOICE SIMPLEX

10 Meters:	29.600#						
6 Meters:	52.490	52.525#					
2 Meters:	146.400*	146.415*	146.430*	146.445*	146.460*	146.475*	146.490*
	146.505*	146.520#	145.535	146.550	146.565	146.580	146.595
	147.405*	147.420*	147.435*	147.450*	147.465*	147.480*	147.495*
	147.510	147.525	147.540	147.555	147.570	147.585	
220 MHz.	223.400	223.420	223.440	223.460	223.480	223.500#	223.520
	223.540	223.560	223.580	223.600	223.620	223.640	
440 MHz.	445.825	445.875	445.900	445.925	445.950	445.975	446.000#
	446.025	446.050	446.075	446.100	446.125	445.150 (Not all listed)	

* Permitted for Voice Simplex use unless operation would cause interference to repeater inputs. Be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.
# - Designated National Simplex Frequencies.

SERA RECOMMENDED DIGITAL/PACKET SIMPLEX

2 Meters:	144.910	144.930	144.950	144.970	144.990	145.010	145.030
	145.050	145.070	145.090	145.510	145.530	145.550	145.570
	145.590	145.610	145.630	145.650	145.670	145.690	145.710
	145.730	145.750	145.770	145.790			
220 MHz.	223.660	223.680	223.700	223.720	223.740	223.760	223.780
	222.350 - 222.450 (222.400 Center) - High speed digital channel (100 KHz wide)						
	223.800 - 223.900 (223.850 Center) - High speed digital channel (100 KHz wide)						
440 MHz.	440.9125	440.9250	440.9375	440.9500	440.9675	440.9750	440.9875
	441.0000	441.0125	441.0375	441.0500	441.0625	441.0750	441.0875
	441.1000	441,1125	441.1375	441.1500	441.1625	441.1750	

NOTE: Digital operators are reminded to check with their local Digital/Packet Societies or organizations as to which digital/packet channels are available for various digital usage in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

SERA JOURNAL REPEATER LISTINGS BY STATE - BY CITY

Listings Correct as of Oct. 20th 2001

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

GEORGIA

10 METERS

CONYERS	Ai8H	29.680	-		
DALTON	N4BZJ	29.680	-		☺
#MACON	KF4XH	29.620	-	UNCOR	
MONROE	KQ4XL	29.620	-		
VALDOSTA	KB0Y	29.680	-	PROP	☺
WARNER ROBINS	WR4MG	29.660	-		☺

6 METERS

ATL/MARIETTA	KD4DKW	53.090	-	T118.8	☺
ATLANTA	KA5WZY	53.150	-	PROP	
AUGUSTA	W4WTA	53.030	-		☺
BISKEY MT.	KC4JNN	53.050	-	T100.0	☺
BOLINGBROKE	KR4OL	53.430	-		
CARTERSVILLE	WB4AEG	53.070	-	T123.0	
#CONYERS	WB4JEH	51.550	+	UNCOR	
CONYERS	WB4JEH	53.550	-	T151.4	
CRAWFORD	KD4FVI	53.330	-	T88.5	
#CUMMING	WA4YNZ	51.700	-	UNCOR	
DALTON	N4BZJ	53.130	-		☺
DECATUR	KA4UFM	53.390	-	T	☺
HIAWASSEE	KC4CBQ	53.270	-	186.2	☺
IVEY/MACON	K4YC	53.730	-	T88.5	☺
KINGSLAND	KC5BMJ	51.940	-	T82.5	
LAKE PARK	KB0Y	53.890	-	T141.3	☺
LAWRENCEVILLE	W4GR	53.110	-	82.5	☺
LULA	WB4HJG	53.890	-	T82.5	☺
#MACON	KF4XH	53.390	-	UNCOR	
MARIETTA	N1KDO	53.210	-	T79.7	☺
MARIETTA	KF4BMG	53.250	-	T79.7	
#PINE LOG MT.	K4PLM	53.290	-	UNCOR	☺
#PINE LOG MTN	KD4APP	53.450	-	UNCOR	☺
#ROSWELL	WA4YNZ	53.010	-	UNCOR	
WARNER ROBINS	WR4MG	53.790	-		☺
WATKINSVILLE	KD4AOZ	53.570	-	T123.0	

2 METERS

ADAIRSVILLE	WD4IWL	146.685	-		
#ALBANY	W4MM	146.700	-	UNCOR	☺
ALBANY	W4MM	146.730	-		☺
ALBANY	W4MM	146.820	-		☺
ALLENHURST	KF4ZUR	147.270	+	PROP	
AMERICUS	W4VIR	147.270	+		
ASHBURN/TIFTON	W4PVW	147.285	+	T141.3	☺
ATHENS	KD4QHB	146.745	-		☺
ATHENS	KD4AOZ	146.955	-	PROP	
ATHENS/CRAWFRD	K4TQU	147.375	+	127.3	☺
ATL/UNION CITY	WA4UPE	146.625	-	100.0	☺
ATLANTA	W4AQL	145.150	-	167.9	
ATLANTA	W4IBM	145.290	-		
ATLANTA	W4DOC	145.350	-	T146.2	☺
ATLANTA	K4LCI	145.430	-		
#ATLANTA	WB4QGR	146.640	-	UNCOR	☺
ATLANTA	W4DOC	146.820	-	T146.2	☺
ATLANTA	K4CLJ	146.970	-	T	
ATLANTA	WA4NNO	147.000	-		
ATLANTA	WB6RTH	147.105	+	107.2	☺
ATLANTA	K4JPD	147.195	+	T	
ATLANTA	KA5WZY	147.285	+		
ATLANTA/AIRPORT	W4REI	147.030	+		☺
ATLANTA/BELL	W4PME	145.410	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	146.655	-	T118.8	☺
ATLANTA/MARIETTA	N4NEQ	147.345	+	118.8	☺
ATLANTA/SWEAT MT	KD4NC	146.730	-		
AUGUSTA	KK4HL	145.110	-		
AUGUSTA	W4DV	145.290	-	T100.0	
AUGUSTA	AA4UA	145.370	-		
AUGUSTA	K4KNS	145.410	-		☺
AUGUSTA	W4DV	145.490	-		
AUGUSTA	KT4N	146.940	-		
AUGUSTA	K4KNS	146.985	-	100.0	☺
AUGUSTA	N4BMA	147.180	+		
BAINBRIDGE	KE4RWR	147.090	+	PROP	
BALDWIN	WD4NHW	147.180	+		☺
#BLACK ROCK MT	KE4SNT	147.390	+	UNCOR	
BLAIRSVILLE	KE4RQT	146.955	-	T100.0	☺
BOGART	W4EEE	147.000	+	T	☺
BONAIRE	KD4HMH	145.470	-		
BONAIRE	K4EDN	147.015	+	T82.5	☺
BOSTON	W4UCJ	147.195	+		☺
BRUNSWICK	K4TVE	146.730	-		
CALHOUN	K4WOC	146.745	-	T100.0	☺
CARROLLTON	W4FWD	146.640	-	T131.8	☺
CARTERSVILLE	N4GIS	147.015	-	100.0	☺
CEDARTOWN	W4CMA	147.120	+		☺
CHATSWORTH	N4YYD	145.250	-	T71.9	
CLARKESVILLE	K4HCA	147.120	+		☺
CLAXTON	W4CLA	147.075	+		
CLEVELAND	WB4HIG	146.910	-		
COCHRAN	N4MXC	145.110	-	T107.2	
COCHRAN	W3LAP	147.330	+	T77.0	☺
COLBERT	N4ALE	147.300	+		☺
COLUMBUS	KA4CEK	145.310	-		
COLUMBUS	W4CVY	146.610	-		
COLUMBUS	W4CVY	146.880	-		
CONYERS	WB4JEH	145.230	-	T151.4	
CONYERS	WB4JEH	146.610	-	T151.4	
CONYERS	KF4GHF	147.210	+	T162.2	☺
CORDELE	WR4SG	145.230	-	PROP	☺
CORDELE	KA4WUJ	145.490	-	T103.5	☺
COVINGTON	WA4ASI	146.925	-		
COVINGTON	KF4GHF	147.270	+	T162.2	☺
CUMMING	WB4GQX	147.150	+		☺
DAHLONEGA	N4KHQ	146.835	+	T100.0	☺
DALLAS	W4RPO	146.850	-		
DALLAS	WD4LUQ	146.895	+	T77.0	☺
DALTON	W4DRC	145.230	-		☺
DALTON	N4BZJ	147.135	+	T118.8	☺
DECATUR	W4BOC	145.450	-		☺
DOERUN	KG4ABK	147.225	+	PROP	
DOUGLAS	KE4ZRT	147.045	+	141.3	☺
DOUGLAS	KE4ZRT	147.165	+	PROP	☺
DOUGLAS	AD4EQ	147.315	+		☺
DOUGLASVILLE	KR4HV	145.110	-	T88.5	☺
DOUGLASVILLE	W4SCR	147.360	+	T88.5	☺
DUBLIN	WA4HZX	147.360	+		
EASTMAN	KC4RRO	145.210	-		
EASTMAN	KF4ODQ	145.330	-	T77.0	
EATONTON	KC4YHM	147.090	+	T179.9	☺
ELBERTON	N4UJT	146.625	-		
ELLIJAY/TALONA M.	KC4ZGN	146.985	-	T77.0	
EMERSON	AE4JO	147.240	+	T103.5	☺
FAYETTEVILLE	WA4EPK	145.210	-	131.8	☺
FAYETTEVILLE	K4KZY	146.685	-	PROP	☺
FOLKSTON	KD4GEY	146.790	-		
FORSYTH	W4STJ	147.315	+	88.5	☺
GAINESVILLE	W4ABP	146.670	-	T131.8	☺
GRIFFIN	K4HYB	145.390	-	T88.5	☺
GRIFFIN	K4HYB	146.910	-		☺
HARTWELL	N4VNI	146.895	-	T100.0	☺
HAWKINSVILLE	WR4MG	146.895	-	PROP	☺
HINESVILLE	KF4UM	147.015	+		☺
IRWINTON	WB4NFG	147.240	+	T77.0	
IVEY	K4YC	145.250	-	T	☺
IVEY/MACON	K4YC	145.150	-	77.0	☺
JASPER	KB4IZF	145.370	-	T100.0	☺
JASPER	K4UFO	146.700	-		☺
JASPER	KC4AQS	146.805	+	T100.0	
JESUP	WA4EQL	145.190	-		
JESUP	WA9RNZ	145.430	-		☺
JESUP	N4ZON	146.865	-	T123.0	☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

JESUP	N4PJR	146.925	-		
JESUP/SCREVEN	N4PJR	147.345	+		
JONESBORO	WA4DIW	145.170	-		☺
JONESBORO	WA4OGE	145.330	-		
KIBBEE	K4HVK	146.820	-	T	☺
KINGSLAND	KC4WWU	147.285	+	T118.8	
LAFAYETTE	KB4VAK	147.375	+	T77.0	
LAGRANGE	KD4BWK	146.700	-	T141.3	
LAGRANGE	WB4BXO	147.330	+		
LAKE PARK	WR4SG	147.135	+	T141.3	☺
LAVONIA	K4NVG	146.715	-	T100.0	☺
LAWRENCEVILLE	W4GR	147.075	+	82.5	☺
#LINCOLNTON	KT4N	147.120	+	UNCOR	
LOOKOUT MT.	KS4QA	146.760	-	T67.0	☺
LOOKOUT MTN	W4GTA	145.350	-	T100.0	☺
MACON	W4BKM	145.370	-		☺
MACON	AA4RI	145.430	-		☺
MACON	WR4DH	146.730	-	T100.0	☺
MACON	K4PDQ	146.805	-	T77.0	☺
MACON	N3SM	146.895	-	T123.0	
MACON	WA4DDI	147.060	+	T	☺
#MACON	KF4XH	147.165	+	UNCOR	
MADISON	WB4DKY	146.865	-	T179.9	
MARIETTA	W4LMA	145.490	-	88.5	☺
MARIETTA	N4NEQ	146.775	-	T118.8	☺
MARIETTA/ATLANTA	W4BTI	146.880	-	T100.0	☺
MILLEDGEVILLE	WB4DOJ	146.700	-	T67.0	☺
MILLEDGEVILLE	K4GK	147.135	+	T123.0	☺
MORGANTON	N4NEQ	147.165	+	T151.4	☺
MOULTRIE	WD4KOW	146.790	-		☺
NASHVILLE	KB4JF	145.310	-	T141.3	
NEWNAN	K4SEX	145.130	-		
#NEWNAN	K4SEX	146.790	-	UNCOR	
OCILLA	KD4MFS	145.350	-		☺
PEMBROKE	W4CJB	147.390	+		
PERRY	WR4MG	145.290	-	T107.2	☺
PERRY	WR4MG	146.955	-	107.2	☺
PINE MT/HAMILTON	WB4ULJ	145.190	-		
QUITMAN	WA4NKL	146.880	-		☺
RICEBORO	KF4UM	145.470	-		☺
RINGGOLD	W4ABZ	146.715	-	T67.0	
ROME	WB4YSV	147.300	+		
ROME/MT. ALTO	W4VO	146.940	-	88.5	☺
ROSWELL	N4CLA	147.060	+		☺
SANDERSVILLE	KT4X	145.270	-	T77.0	
SAVANNAH	K4NLX	146.700	-		
SAVANNAH	KE4WAQ	146.850	-		☺
SAVANNAH	W4HBB	146.880	-		☺
SAVANNAH	W4HBB	146.970	-		☺
SAVANNAH	WA4IDS	147.150	+		☺
SAVANNAH	K4NLX	147.210	+		
SAVANNAH	K4NLX	147.330	+		
SNELLVILLE	KR4NQ	147.255	+	T107.2	☺
ST SIMONS ISLAND	N4XGI	145.330	-	T131.8	☺
STATESBORO	NC4D	147.105	+		
STOCKBRIDGE	WA4JDR	145.310	-		
STONE MT	W4BOC	146.760	-	T107.2	☺
SUMMERVILLE	W4RLP	147.225	+	100.0	☺
SWAINSBORO	K4VYX	146.790	-		
SWEAT MT/MARIETT	N4CLA	145.470	-		☺
THOMASTON	W4OHH	147.390	+	131.8	
THOMASVILLE	W4UCJ	147.060	+		☺
THOMSON	KC4GSS	146.835	-		
TOCCOA	KA4DIP	147.330	+		☺
TYRONE	N4OME	147.165	+	T	☺
UNADILLA	WR4MG	146.760	-	T107.2	☺
VALDOSTA	WR4SG	145.130	-	T141.3	☺
VALDOSTA	KF4BJM	146.760	-	141.3	
VIDALIA	K4HAO	146.625	-		☺
WALESKA/PNLG MT	K4PLM	145.270	-	T103.5	☺
WARM SPRINGS	KN4FE	146.985	-		
WARNER ROBINS	WA4ORT	146.850	-		
WARNER ROBINS	WB4BDP	147.180	+		☺
WARNER ROBINS	WR4MG	147.300	+	107.2	☺
WATKINSVILLE	KD4AOZ	147.045	+	T123.0	
WAYCROSS	AE4PO	146.640	-	T141.3	☺
WAYCROSS	AE4PO	147.255	+	T141.3	☺
WAYNESBORO	K4BR	145.230	-		
WRENS	KB4NA	146.775	-		
WRIGHTSVILLE	WA4RVB	146.940	-		☺
YOUNG HARRIS	K2YRW	147.090	+		☺

220 MHZ

ACWORTH/ATL	N4MTA	224.320	-	T123.0	
ACWORTH/ATL	N4MTA	224.500	-	T123.0	
ALPHARETTA	NX9O	224.580	-	100.0	
ALPHARETTA	KC4JNN	224.860	-	T100.0	☺
ATL/MARIETTA	N4NEQ	224.440	-	T118.8	☺
ATLANTA	N4BLR	224.280	-		
ATLANTA	W4DOC	224.340	-		☺
ATLANTA	W4DOC	224.560	-	T146.2	☺
ATLANTA	KK4C	224.820	-		
#ATLANTA-NE	KC4OVY	224.200	-	UNCOR	☺
ATLANTA/BELL	W4PME	224.620	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	224.120	-	T118.8	☺
ATLANTA/MARIETTA	N4NEQ	224.220	-	T	☺
ATLANTA/MARIETTA	PT2RFL	224.960	-	T100.0	☺
AUGUSTA	WB4KXO	224.940	-		☺
BISKEY MTN	KC4JNN	224.160	-	T100.0	☺
CEDARTOWN	KC4KLW	224.780	-	T179.9	
CLAYTON	W4UWH	224.720	-	PROP	☺
#CONYERS	WB4JEH	224.020	-	UNCOR	
CUMMING	K4JSR	224.980	-		
DAHLONEGA	N4RBT	224.380	-	T100.0	☺
DALLAS	N4YDX	224.180	-		☺
DALLAS	N4YEA	224.540	-		☺
DALLAS	W4TIY	224.700	-		☺
DALTON	N4BZJ	224.360	-	T	☺
DALTON	N4BZJ	224.460	-	T118.8	☺
DALTON	N4BZJ	224.680	-		☺
DALTON	N4KVC	224.740	-	T	☺
FT MT/CHATSWTH	N4YYD	224.240	-	T71.9	
GAINSVILLE	W4TL	224.840	-	T131.8	☺
HAWKINSVILLE	WR4MG	224.820	-	PROP	
JASPER	KC4AQS	224.400	-	T100.0	
JASPER	W4UWH	224.600	-	100.0	☺
LOOKOUT MT	KS4QA	224.560	-	T	☺
LOOKOUT MT.	KS4QA	224.640	-		☺
MARIETTA	KE4QFG	224.260	-		
MARIETTA	W4LMA	224.900	-		☺
NORCROSS	KE4IPX	224.480	-		
PINE LOG MTN	KE4AIS	224.520	-		☺
SNELLVILLE	W4CSX	224.920	-	T100.0	☺
STONE MT	W4BOC	224.760	-		☺
TEMPLE	WA4KM	224.300	-	T100.0	
VALDOSTA	KB0Y	224.460	-	T141.3	☺
WALESKA	KD4ALC	224.140	-		
WALESKA	KB4GDS	224.940	-		☺
WARNER ROBINS	WR4MG	224.840	-		☺
WATKINSVILLE	KD4AOZ	224.420	-	T123.0	
YORKVILLE	WD4LUQ	224.880	-	T77.0	☺
YOUNG HARRIS	NP2Y	224.660	-	PROP	

440 MHZ

ACWORTH	KC4YNF	441.800	+	T77.0	☺
ALBANY	W4MM	444.500	+		☺
ALPHARETTA	WB6RTH	442.000	+	107.2	☺
ATHENS	AA4AI	442.950	+	T179.9	☺
ATHENS	WB4VNT	443.300	+	T	☺
#ATHENS/CRAWFORD	KC4GZX	444.300	+	UNCOR	☺
ATL/MARIETTA	N4NFP	442.800	+	T	☺
ATL/MARIETTA	N4NEQ	444.050	+	T118.8	☺
ATL/MARIETTA	N4NEQ	444.775	+	118.8	☺
ATLANTA	W4CML	442.025	+	T127.3	☺
#ATLANTA	WB6RTH	442.225	+	UNCOR	☺
ATLANTA	N4XQM	442.525	+	PROP	
ATLANTA	KE4PVE	442.675	+	T100.0	
ATLANTA	WA4YNZ	442.975	+	T	
ATLANTA	W4CML	443.025	+	T127.3	☺
ATLANTA	KA5WZY	443.600	+	PROP	
ATLANTA	KE4ZV	443.650	+	T100	
ATLANTA	KD4LXT	443.875	+		
ATLANTA	W4DOC	444.450	+	T146.2	☺
ATLANTA	W4DOC	444.825	+	T146.2	☺
ATLANTA	WA4NNO	444.925	+		
ATLANTA	WA4YNZ	444.975	+	T	
ATLANTA/BELL	W4ZTL	421.250	+		☺
ATLANTA/BELL	W4PME	444.150	+	T100.0	☺
ATLANTA/MARIETTA	PT2RFL	442.875	+	T100.0	☺
ATLANTA/MARIETTA	N4NFP	443.800	+	T118.8	☺
AUGUSTA	KD4BOO	444.900	+		☺
BALDWIN	WD4NHW	442.350	+		☺
BARNESVILLE	N4GWO	443.675	+		
#BISKEY MTN	KC4JNN	443.250	+	UNCOR	☺
BLAIRSVILLE	KF4SKT	442.200	+		
BLUERIDGE	KD4GRU	442.125	+	PROP	
BOGART	W4EEE	443.475	+	T	☺
BONAIRE	K4EDN	444.625	+	T82.5	☺
BRUNSWICK	KD4CPO	443.425	+		
BRUNSWICK	K4TVE	444.975	+		
BUFORD	K3TD	442.900	+	T103.5	
BYRON	KF4XH	443.150	+		
BYRON	WB4SBT	444.700	+	T103.5	☺
CARROLLTON	W4FWD	444.075	+	T131.8	
CARTERSVILLE	N4GIS	443.175	+		☺
CEDARTOWN	KD4NTF	443.575	+	T107.2	
CHATSWORTH	W4DRC	443.000	+		☺
CHESTER	KD4IEZ	444.525	+	T156.7	
CLARKESVILLE	K4HCA	442.425	+		☺
CLAYTON	W1CP	442.825	+	T162.2	☺
CLERMONT	W4TL	444.950	+	T131.8	☺
COCHRAN	N4MXC	444.775	+	PROP	
COCHRAN	W3LAP	444.975	+	77.0	☺
CONCORD	WB4GWA	443.400	+	118.8	
CONYERS	WB4JEH	442.550	+	T151.4	
CONYERS	KB2DZA	443.725	+	T77.0	☺
CONYERS	WB4JEH	444.550	+	T151.4	
CONYERS	KC4ELV	444.750	+	T162.2	☺
CORNELIA	K4JLG	444.275	+	T100.0	
COVINGTON	K4GO	443.750	+	T146.2	
COVINGTON	KE4PVE	444.175	+	T100.0	
COVINGTON	WA4ASI	444.800	+	T88.5	
CULLODEN	KE4BB	444.275	+	T123.0	☺
CUMMING	WB4GQX	441.900	+	T141.3	☺
CUMMING	WA4BPY	442.575	+	T79.9	☺
CUMMING	W4CBA	444.625	+	T123.0	☺
#CUMMING	WA4YNZ	444.975	+	UNCOR	
DACULA	KK4IN	443.550	+		
DAHLONEGA	N4KHQ	443.100	+	100	☺
DAHLONEGA	N4KHQ	444.900	+		☺
DALLAS	W4CSX	441.925	+	T162.2	☺
DALLAS	W4TIY	443.700	+		☺
DALLAS	WD4LUQ	444.700	+	T77.0	☺
DALTON	N4BZJ	442.175	+	T118.8	☺
DALTON	N4BZJ	444.500	+	T118.8	☺
DALTON	N4BZJ	444.850	+		☺
DANIELSVILLE	KE4FHN	442.650	+	T	
DECATUR	N3APR	442.200	+		
DECATUR	KA4UFM	443.950	+	T110.9	☺
DECATUR	W4BOC	444.250	+		☺
DOUGLASVILLE	W4SCR	444.575	+	T88.5	☺
DUBLIN	KD4FOC	442.600	+	T77.0	
DUBLIN	KD4IEZ	443.025	+	T156.7	
DULUTH	W4IXN	443.775	+	T82.5	
EATONTON	KC4YHM	442.925	+		☺
ELLIJAY	KC4ZGN	442.700	+	T77.0	
ETOWAH VALLEY	AE4JO	443.425	+	PROP	
FAYETTEVILLE	W4PSZ	444.600	+	T77.0	
FLOWERY BRANCH	K4VJM	442.775	+	PROP	
FLOWERY BRANCH	K4RHJ	443.900	+	T100.0	☺
FOLKSTON	KD4GEY	444.475	+		
FT. MT/CHATSWTH	N4YYD	443.350	+	T71.9	
GAINESVILLE	W4ABP	442.625	+	T131.8	☺
#GAINSVILLE	WA4DB	444.200	+	UNCOR	
GRAY	K4MDS	443.625	+		☺
GREENSBORO	N4YXL	444.850	+	PROP	
GRIFFIN	KE4WLP	443.550	+		☺
HAMILTON	WB4ULJ	444.400	+		
HAPEVILLE	KC4ENL	442.825	+	T167.9	
HIAWASSEE	KC4CBQ	444.675	+	186.2	☺
HIGH PT/LOOKT MT	KB4VAK	443.450	+	T77.0	
HINESVILLE	KF4UM	444.850	+	PROP	☺
HOGANSVILLE	KC4YNY	444.300	+	PROP	
IRWINTON	WB4NFG	444.925	+	T77.0	
IVEY	K4YC	443.200	+	T88.5	☺
IVEY	K4YC	444.650	+	T	☺
JASPER	N3DAB	442.750	+	T141.3	
JASPER	KC4AQS	443.375	+	T100.0	
JASPER	KB4MDE	443.425	+		
JASPER	KF4QYP	443.625	+	T100.0	
JASPER	KB4IZF	444.375	+	T103.5	☺
JESUP	N4PJR	444.925	+		
JONESBORO	N4QCP	443.225	+		
KINGSLAND	KC5BMJ	444.625	+	T118.8	
KNOXVILLE	N4PQR	443.525	+	PROP	
LAKEMONT	N4ZRF	444.750	+	T	
LAVONIA	K4NVG	442.475	+	T203.5	☺
LAWRENCEVILLE	WB4HJG	442.850	+	T82.5	☺
LAWRENCEVILLE	WB4QDX	444.000	+	T100.0	☺
LAWRENCEVILLE	W4CML	444.025	+	T127.3	☺
LOOKOUT MT.	KS4QA	442.475	+	T67.0	☺
LOOKOUT MTN	W4LOC	442.650	+	T100.0	☺
MABLETON	W4JLG	442.325	+	T	☺
MACON	AF4UL	442.000	+	PROP	
MACON	K4DDH	442.275	+	T100.0	☺
MACON	K4EFW	442.875	+	T114.8	☺
#MACON	WX4EMA	443.075	+	UNCOR	
MACON	W4BKM	444.100	+		☺
MARIETTA	N1KDO	442.050	+	T107.2	☺
MARIETTA	KE4QFG	442.375	+	T	
MARIETTA	WA4OKJ	442.600	+	T100.0	
MARIETTA	N4MTA	443.500	+		
MARIETTA	KF4BMG	444.325	+	T79.7	
MARIETTA/ATL	KE4QFG	442.725	+	T	
MCDONOUGH	KE4UAS	444.875	+	T123.0	
MONROE	KQ4XL	443.925	+	T123.0	
MOULTRIE	W1BPP	444.625	+	T123.0	
NEWNAN	KE4PVE	444.350	+	PROP	
NORCROSS	K4HUM	442.100	+	T100.0	
PEACHTREE CITY	AB4KN	442.500	+	T77.0	
PEACHTREE CITY	N4YTR	444.675	+	T77.0	
PENDERGRASS	KE4PVE	444.125	+	PROP	
PERRY	WR4MG	444.950	+		☺
PINE LOG MTN	KD4APP	443.200	+	T103.5	☺
QUITMAN	WA4NKL	444.600	+	T127.3	☺
REX	KB4NPO	443.975	+	PROP	
RINGGOLD	KW4KW	442.300	+	PROP	
RINGGOLD	W4BAB	443.925	+		
ROCKMART	KC4KLW	443.275	+	T179.9	
ROME	KC4KLW	443.525	+	T179.9	
ROSWELL	W8BLA	442.075	+	T	
#ROSWELL	WA4YNZ	442.975	+	UNCOR	
ROSWELL/BELL	N4SE	442.150	+	T100.0	☺
ROSWELL/BELL	W4PME	443.150	+	100.0	☺
SANDY SPRINGS	KE4OKD	441.950	+	T103.5	☺
SAVANNAH	K4NLX	421.250	+		
SAVANNAH	WA4VHP	427.250	+	T	
SAVANNAH	K4NLX	442.700	+		
#SAVANNAH	WD4AFY	444.000	+	UNCOR	
SHELLMAN BLUFF	KC5BMJ	443.650	+	PROP	
SMYRNA	N4IBW	444.650	+		

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq) # and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

GEORGIA REPEATERS CONTINUE

SNELLVILLE	W4CML	442.450	+	T	
SNELLVILLE	NE1H	443.050	+	T	
SNELLVILLE	W4GR	444.525	+	82.5	
ST SIMONS ISLAND	N4XGI	442.950	+	T131.8	
STATHAM	WW4T	442.300	+	PROP	
STOCKBRIDGE	N4JMD	443.325	+	T	
SWEAT MT/MARIETT	N4CLA	444.475	+		
VALDOSTA	WR4SG	444.350	+	T141.3	
VALDOSTA	KF4BJM	444.700	+	T141.3	
VIDALIA	KE4PMP	442.500	+	T88.5	
#WALESKA	KD4DXR	441.350	+	UNCOR	
#WALESKA	K4PLM	443.850	+	UNCOR	
WARM SPRINGS	N4UER	442.400	+		
WARNER ROBINS	WR4MG	442.900	+		
WATKINSVILLE	KD4AOZ	444.725	+	T123.0	
WAYCROSS	AE4PO	444.025	+	T141.3	
WOODSTOCK	KE4SJO	444.225	+		

920 MHZ

#SAVANNAH	WA4VHP	923.000	-	UNCOR

1270 MHZ

ATL/MARIETTA	N4NEQ	427.250	+	
ATLANTA/BELL	KB4KIN	1292.000	-	
DALTON ATV	N4BZJ	421.250	+	

KENTUCKY

10 METERS

BUCKHORN LAKE	K4XYZ	29.620	-	PROP
LOUISVILLE	KK4CZ	29.640	-	

6 METERS

ASHLAND	KC4QK	53.010	-	T107.2
BUCKHORN LAKE	K4XYZ	53.730	-	PROP
DORTON	WR4AMS	53.350	-	PROP
HAZARD	K4TDO	53.850	-	
HIGHLAND HEIGHTS	AD4CC	53.330	-	123.0
HIGHLAND HEIGHTS	W4YWH	53.750	-	PROP
LAGRANGE	WB4WSB	53.950	-	PROP
LAWRENCEBURG	N4EQT	53.130	-	T107.2
LEXINGTON	KE4LGL	53.570	-	
LONDON	KE4ZJT	53.910	-	T100.0
LOUISVILLE	KF4UAQ	53.290	-	
LOUISVILLE	WA4DBY	53.430	-	T151.4
LOUISVILLE	WB4LBR	52.025	+	
NANCY	KA4UHL	53.270	-	T100.0
#STANTON	WD4KNE	53.810	-	UNCOR
WAYNESBURG	KE4RKF	53.390	-	T100.0
WILLIAMSBURG	KB4PTJ	53.070	-	T100.0

2 METERS

ALLEN	K4ICN	147.300	+	T123.0	
#ARTEMUS	KE4INT	147.390	+	UNCOR	
ASHLAND	KG4DVE	146.940	-		
ASHLAND	KC4QK	147.240	+	T107.2	
ASHLAND	WA8KWH	147.330	+		
BARBOURVILLE	KF4CME	147.135	+	100.0	
BARDSTWN/NELSN	WB4GGH	145.470	-	151.4	
BEREA	KF4OFT	146.715	-	100.0	
BLACK MOUNTAIN	KB4DFK	147.210	+	T103.5	
BOWLING GREEN	WA4GOZ	146.625	-	PROP	
BOWLING GREEN	K4LOL	147.060	+	156.7	
BOWLING GREEN	W4WSM	147.165	+		
BOWLING GREEN	KA4CFW	147.330	+		
BOWLING GREEN-SO.	W4WSM	146.655	-		
BROOKS	KY4KY	146.700	-	T151.4	
BUCKHORN LAKE	KG4HRN	147.375	+	T103.5	
CADIZ	KT4SH	147.195	+	103.5	
CANE VALLEY	WA4UXJ	146.640	-		
CENTER	KD4YGK	147.375	+	151.4	
#CENTRAL CITY	WF4N	145.390	-	UNCOR	
CORBIN	WD4KWV	146.610	-		
COVINGTON	WR8CRA	147.390	+		
CRESTWOOD	KF4TOL	147.390	+	T151.4	
DANVILLE	WD4DZC	146.655	-		
DAVID	KC4KZT	145.310	-	T	
DAWSON SPRINGS	KF4CWK	147.090	+	T103.5	
#DIXON	N4IOX	147.255	+	UNCOR	
DORTON	KC4KZT	146.895	+	T141.3	
DRAKESBORO	KF4DKJ	146.820	-	T	
ELIZABETHTOWN	W4BEJ	146.980	-		
ELKTON	KA4NNE	146.805	-	151.4	
FARMINGTON	W4GZ	147.240	+	T91.5	
FLEMINGSBURG	KF4BRO	146.955	-	T107.2	
FLORENCE	K4JBV	146.895	-	100.0	
FRANKFORT	N4EQT	147.105	+	T107.2	
FRANKFORT	KC4AI	147.240	+	T100.0	
FRANKLIN	KE4SZK	147.135	+	PROP	
GEORGETOWN	KF4NTQ	146.685	-	107.2	
GLASGOW	KY4X	146.940	-	PROP	
GRAYSON	KD4DZE	146.700	-	107.2	
GREENVILLE	WA4TTC	146.745	-		
GRETHEL	KJ4VF	147.045	+	T100.0	
HALLS GAP	W8PRH	145.170	-		
HARLAN	WA4ZAC	147.105	+		
HAZARD	KF4SJO	146.670	-		
HAZARD	W8PRH	146.805	-		
HENDERSON	W4KVK	145.490	-		
#HENDERSON	K4DPP	146.970	-	UNCOR	
HIGHLAND HEIGHTS	W4YWH	146.790	-		
HIGHLAND HTS.	K4CO	147.255	+	T	
#HODGENVILLE	KC4TX	147.315	+	UNCOR	
HOPKINSVILLE	KF4FO	146.710	-		
HOPKINSVILLE	KD4ULE	147.030	+	T103.5	
HUEYSVILLE	KF4ZTB	145.470	-	T79.7	
HYDEN	KF4TLT	147.240	+	186.2	
IRVINE	W4CMR	146.820	-	192.8	
IRVINE	AD4RU	147.015	+		
IRVINGTON	WB4WVH	146.900	-		
JACKSON	WA4MXO	145.410	-		
#JONATHAN CREEK	N4SEI	146.985	-	UNCOR	
LAWRENCEBURG	N4EQT	145.390	-	T107.2	
LEBANON	WD4JZH	147.345	+	T151.4	
LEESBURG	KC4UPE	145.110	-	T192.8	
LEXINGTN/GRGTWN	W8PRH	145.210	-		
LEXINGTON	AD4YJ	145.250	-	110.9	
LEXINGTON	WB4CWF	145.490	-		
LEXINGTON	AC4AO	146.730	-		
LEXINGTON	K4KJQ	146.760	-		
LEXINGTON	WA4HBM	147.165	+		
LEXINGTON	KJ4VF	147.195	+		
#LITCHFIELD	KB4NFK	147.225	+	UNCOR	
LONDON	KE4ZJT	147.180	+	151.4	
LONDON	KC4ZFH	147.285	+	T	
LOUISA	N8QCW	147.390	+	127.3	
LOUISVILLE	W8PRH	145.230	-		
LOUISVILLE	AC2DC	145.290	-	T151.4	
LOUISVILLE	KK4CZ	145.410	-	127.3	
LOUISVILLE	W4PF	146.880	-		
LOUISVILLE	W4PJZ	147.030	+	151.4	
LOUISVILLE	N4NMC	147.070	+	T151.4	
#LOUISVILLE	KA4KMT	147.120	+	UNCOR	
#LOUISVILLE	KA9KOP	147.150	+	UNCOR	
LOUISVILLE	W4CN	147.180	+	88.5	
LOUISVILLE	WB4EJK	147.270	+	151.4	
LOUISVILLE	KQ9Z	147.360	+		
LOUISVILLE AREA	N4UL	145.130	-	T151.4	
LYNN GROVE	KA4BLZ	146.895	-	T210.7	
MADISONVILLE	KC4FRA	146.610	-		
#MARION	KA4FGA	147.285	+	UNCOR	
MAYSVILLE	KF4BRO	145.470	-	T107.2	
MIDDLESBORO	W4PPM	146.775	-		
MILLARD	KD4RTR	146.745	-	T141.3	
MONTECELLO	WB9SHH	146.955	-	PROP	
MONTICELLO	KY4JW	145.150	-		
MOREHEAD	KJ4VF	145.130	-	T100.0	
MOREHEAD	K4GFY	146.910	-	T123.0	
#MT. STERLING	WD4KNE	147.330	+	UNCOR	
MURRAY	K4MSU	146.940	-		
NANCY	KA4UHL	146.790	-	T100.0	
#NEBO	AA4NI	146.730	-	UNCOR	
OWENSBORO	N4WJS	146.685	-	110.9	
OWENSBORO	AD4MU	146.865	-		
OWENSBORO	K4HY	147.210	+	110.9	
OWINGSVILLE	N4TLP	147.075	+		
PADUCAH	K4CUW	146.655	-	T	
PADUCAH	K4CUW	146.760	-		
#PADUCAH	W4NJA	147.060	+	UNCOR	
PAINTSVILLE	N4KJU	145.270	-	T	
PARIS	KE4OOS	147.045	+	PROP	
PHELPS	KJ4YK	147.090	+		
PIKEVILLE	AD4BI	145.150	-	107.2	
PIKEVILLE	KM4IV	146.850	-		
PRESTONSBURG	WB4UBY	147.165	+		
PRINCETON	W4KBL	146.670	-		
#PROVIDENCE	N4IUI	147.330	+	UNCOR	
RADCLIFF	AI4HB	145.350	-	173.8	
RADCLIFF	W4BEJ	146.925	-		
RICHMOND	KE4YVD	145.370	-	T192.8	
RICHMOND	KG4AEU	146.865	-	192.8	
ROCKFIELD	KG4FEJ	145.450	-	PROP	
ROCKPORT	KD4BOH	145.270	-	77.0	
SALEM	KC4VXR	147.315	+		
SALVISA	KC4ZOX	146.835	-	T192.8	
SALYERSVILLE	KB4SQI	145.190	-	T127.3	
SANDY HOOK	KF4WMM	147.135	+	T107.2	
SHELBYVILLE	KE4LR	147.000	+		
SO. PORTSMOUTH	KC8FKP	145.390	-	136.5	
SOMERSET	KA4UHL	146.880	-	77.0	
SPRINGFIELD	WA4SJH	147.300	+		
ST. CHARLES	KE4AIE	147.270	+		
STANTON	N4VOS	145.290	-		
STANTON	W8PRH	146.970	-		
STINETT	KF4TLT	147.345	+	PROP	
TOMPKINSVILLE	KJ4OG	146.775	-		
VANCEBURG	AE4SK	146.775	-		
VERSAILLES	KF4INN	145.330	-		
WADDY	KS4TO	146.910	-	T107.2	
WALTON	K4CO	147.375	+		
WEBSTER	K4ULW	146.625	-	T151.4	
WEST LIBERTY	KG4GQC	145.230	-	107.2	
WILLIAMSBURG	KD4DAX	145.350	-		
WILLIAMSBURG	KG4M	147.000	+		
WINCHESTER	WB4ASZ	147.120	+		

220 MHZ

ASHLAND	KC4QK	223.940	-	
BUCKHORN LAKE	K4XYZ	224.460	-	PROP
DORTON	WR4AMS	224.520	-	
HAZARD	WR4AMS	224.820	-	
IRVINE	AD4RU	224.940	-	
LANCASTER	KD4RXF	224.560	-	
LANGLEY	WR4AMS	224.720	-	
LAWRENCEBURG	N4EQT	224.900	-	T107.2
LEXINGTON	AC4AO	224.420	-	
LEXINGTON	KR4BD	224.800	-	
LONDON	WR4AMS	224.980	-	PROP
LOUISVILLE	KA4MKT	224.300	-	
LYNCH	K4TDO	224.320	-	PROP
META	WR4AMS	224.380	-	PROP
MIDDLESBORO	WM4MD	224.120	-	T82.5
NANCY	KA4UHL	224.100	-	T100.0
PIKEVILLE	WB4F	224.580	-	
PIKEVILLE	KD4DAR	224.620	-	
SHEPHERDSVILLE	N4FND	224.500	-	T151.4
SOMERSET	N4AI	224.300	-	
SOMERSET	N4AI	224.880	-	
VERSAILLES	AD4CR	224.220	-	

440 MHZ

ALLEN	N4IWZ	444.775	+	T123.0	
#ASHLAND	KC8ERN	444.750	+	UNCOR	
ASHLAND	KC4QK	444.975	+	T107.2	
BARDSTOWN	KT4GB	443.000	+		
BEATTYVILLE	KC4UPE	444.825	+	T192.8	
BOWLING GREEN	W4HTB	426.250	+		
BOWLING GREEN	W4WSM	444.100	+		
BOWLING GREEN	N5KOL	444.700	+	T136.5	
BROOKS	KY4KY	443.700	+	151.4	
BRUSHY FORK	KF4WMM	444.600	+	88.5	
BUCKHORN LAKE	K4XYZ	443.400	+	PROP	
CANE VALLEY	KC4TX	443.950	+	T	
CORBIN	KF4IFC	444.275	+	79.7	
CORBIN	WB4IVB	444.900	+	T100.0	
COX'S CREEK	AE4NU	443.450	+	T151.4	
DAVID	KC4KZT	443.900	+	T167.9	
DAWSON SPRINGS	KU4MJ	444.275	+		
DORTON	KD4RTR	442.150	+	167.9	
DORTON	KJ4VF	443.250	+		
DRY RIDGE	KC4COV	444.425	+	118.8	
ELIZABETHTOWN	W4BEJ	421.250	+		
ELIZABETHTOWN	W4BEJ	444.800	+	156.7	
ELKHORN CITY	KD4RTR	444.300	+	PROP	
FALMOUTH	KD4EVB	443.825	+	118.8	
FLORENCE	KC4COV	443.175	+	131.8	
FLORENCE	KC4COV	443.475	+	T131.8	
FLORENCE	KC4COV	444.175	+	T131.8	
FORT WRIGHT	KY4JD	442.525	+	T123.0	
FOSTER	KU4ML	443.125	+		
FRANKFORT	K4NGQ	442.175	+	T67.0	
FRANKFORT	WA4CMO	443.325	+		
FRANKLIN	KD4TAH	443.225	+		
GARRETT	KF4JJD	442.400	+	79.7	
GEORGETOWN	KF4NTQ	443.625	+		
GILBERTSVILLE	W2HR	442.850	+	T103.5	
GLASGOW	KY4X	444.925	+		
GLASGOW/CVCTY	KF4DC	444.250	+		
GRAEFENBURG	N4HZX	443.550	+		
GRETHEL	KJ4VF	444.525	+		
HAWESVILLE	KB4QFL	444.625	+		
HAZARD	K4TDO	443.975	+	103.5	
HENDERSON	KY4K	444.725	+	T203.5	
HIGHLAND HEIGHTS	W4YWH	444.900	+	123.0	
HOPKINSVILLE	KE4AIF	444.750	+	T103.5	
HUDSON	KC4JTV	444.900	+	PROP	
INDEPENDENCE	K4JBV	442.325	+	100	
INDEPENDENCE	KB8SBN	444.075	+	T110.9	
IRVINE	W4CMR	442.900	+		
IRVINE	AD4RU	444.000	+		
LATONIA	AA4XV	442.400	+	T	
LAWRENCEBURG	N4EQT	443.925	+	T107.2	
LEBANON JCT	KD4YGK	441.775	+	PROP	
LEBANON JCT	KD4YGK	444.150	+	PROP	
LEWISPORT	K4DC	444.550	+		
#LEXINGTON	KY4ATV	923.250	-	UNCOR	
LEXINGTON	KD4ADJ	442.050	+		
LEXINGTON	KE4OOL	443.025	+	T123.0	
LEXINGTON	KB8QLC	444.125	+	88.5	
LEXINGTON	KC4DUU	444.550	+		
LEXINGTON	KE4ISR	444.725	+	T	
LEXINGTON	N4DUE	444.950	+		
LOUISVILLE	N4ORL	442.000	+		
LOUISVILLE	KB4RYM	442.500	+		
LOUISVILLE	WD4ELX	442.550	+		
LOUISVILLE	KB4YJ	442.725	+	151.4	
LOUISVILLE	WD9EQC	443.500	+		
LOUISVILLE	N4UL	444.100	+	173.8	
#LOUISVILLE	WB4ZZD	444.300	+	UNCOR	
LOUISVILLE	N4NMC	444.600	+	T151.4	
LOUISVILLE AREA	N4RBL	442.100	+	T	
LOUISVILLE AREA	KD4CLR	442.450	+	T151.4	
LOUISVILLE SW	K4ULW	443.350	+		
MADISONVILLE	KC4FIE	442.425	+		
MADISONVILLE	AE4LW	442.575	+	T100.0	

KENTUCKY REPEATERS CONTINUE

MADISONVILLE	KC4FIE	442.775	+		☺
MADISONVILLE	KC4FIE	444.600	+		☺
MAMMOTH CAVE	KF4QZN	444.475	+	T179.9	☺
MARION	KR4PF	444.200	+	T100.0	
MAYSVILLE	KF4BRO	443.500	+	T123.0	☺
META	WB4UBY	443.500	+		☺
MIDDLESBORO	WM4MD	442.325	+	T67.0	
MIDDLESBORO	WB4IVB	444.150	+	T100.0	
MILLARD	KD4RTR	443.425	+		☺
MONTICELLO	WB9SHH	444.750	+		
MOREHEAD	K4GFY	442.500	+	T	
MORGANTOWN	KF4QZN	444.425	+	PROP	☺
MT STERLING	KD4ADJ	442.600	+		☺
MURRAY	K4MSU	443.800	+	T114.8	☺
NANCY	KA4UHL	443.600	+	T100.0	☺
NEBO	AA4NI	444.850	+		
NICHOLASVILLE	KC4UPE	444.775	+	T167.9	
NICHOLASVILLE	WB4CWF	444.975	+		
OLIVE HILL	KO4LI	444.925	+		
OWENSBORO	N4WJS	443.100	+	T110.9	☺
OWENSBORO	N4WJS	443.650	+	110.9	☺
OWENTON	KD4EVB	443.425	+	118.8	☺
PAINTSVILLE	N4KJU	441.525	+	127.3	☺
PHELPS	N4MVY	444.575	+		☺
PIKEVILLE	KD4RTR	444.200	+		☺
PIKEVILLE	KD4DAR	444.375	+		☺
PIKEVILLE	AD4BI	444.475	+		☺
RICHMOND	KE4ISW	444.625	+	192.8	
RINEYVILLE	KF4RDB	444.225	+	PROP	
ROBINSON CREEK	KC4VYX	444.675	+		☺
ROCKPORT	KD4BOH	442.675	+	77.0	
ROCKPORT	KD4BOH	444.075	+	T77.0	
RUSSELLVILLE	KD4TAH	442.350	+	PROP	
SALEM	KC4VXR	444.825	+	T100.0	☺
SALVISA	KF4AWA	444.675	+	T203.5	☺
SALVISA	KC4UPE	444.875	+	T167.9	
SALYERSVILLE	KE4NLL	444.050	+	T127.3	
SHELBYVILLE	KE4YRE	442.375	+		
SHEPHERDSVILLE	KD4YGK	444.400	+	T203.5	☺
SIMPSONVILLE	KO4OT	444.450	+	T100.0	☺
SPRINGFIELD	WA4SJH	444.600	+		☺
STANTON	N4VOS	442.075	+		
VERSAILLES	KF4INN	443.775	+		
WADDY	KS4TO	443.225	+		
WALTON	K4CO	444.350	+		☺
WILDER	KC4COV	444.400	+	PROP	
WILLIAMSBURG	KB4PTJ	444.050	+	100.0	☺

MISSISSIPPI

6 METERS

BYHALIA	N4DRL	53.270	-	T	☺
ELLISVILLE	N5EKR	53.010	-	T	
LAUREL	KC5PIA	53.450	-		☺
NETTLETON	AB5MU	53.050	-	192.8	☺

2 METERS

ABBEVILLE	WB5VYH	145.470	-	T107.2	☺
ABERDEEN	WB5USN	147.270	+		
ACKERMAN	NO5N	147.120	+		
AMORY	KB5DWX	146.940	-	T192.8	
AMORY	KB5DSN	147.090	+		
BAY ST. LOUIS	WB4FUR	146.700	-		
BILOXI	KC5IF	146.730	-		
BILOXI	K5TYP	146.790	-		
BOONEVILLE	K5YD	145.190	-	110.9	☺
BOONEVILLE	KI5WI	147.150	+		
BUDE	K5JMD	146.850	-	T103.5	
BYHALIA	N4DRL	145.350	-		☺
BYHALIA	N4DRL	147.225	+		☺
CHATAWA	WB5GOJ	145.310	-		
COLLINS	N5LRQ	146.985	-	T136.5	
COLUMBIA	N5LJC	147.285	+	PROP	
COLUMBUS	KC5ULN	146.625	-		☺
COLUMBUS	KC5ULN	147.000	+		☺
CORINTH	WB5VOJ	146.925	-	T107.2	
CORINTH	K5UFH	147.000	-		
CORINTH	KB5TGA	147.285	+		☺
D'IBERVILLE	KC5IF	145.410	-		
ELLISVILLE	N5EKR	146.955	-	T	
ELLISVILLE	N5DWU	146.865	+	T136.5	☺
ELLISVILLE	N5DWU	146.895	+	T136.5	☺
FOREST	KC5QHP	147.390	+	T100.0	☺
#FRENCH CAMP	W5BJT	147.225	+	UNCOR	
FULTON	WX5P	145.450	-		☺
GLOSTER	KX5E	145.430	-	T136.5	
GREENVILLE	KG5SF	147.345	+		☺
GREENWOOD	KA5TQY	146.715	-		
GRENADA	W5LV	146.700	-		☺
GULFPORT	KA5VFU	147.375	+		
HATTIESBURG	W5CJR	145.190	-	T136.5	☺
HATTIESBURG	K5IJX	145.370	-	136.5	
HATTIESBURG	W5CJR	146.775	-	T136.5	☺
HATTIESBURG	W5CJR	147.360	+		☺
HERNANDO	K5VV	146.910	-		
ISOLA	KC5OB	146.955	-		
IUKA	WB5MFK	146.850	-		
JACKSON	KB5KGE	145.390	-		
JACKSON	W5AXQ	146.760	-		☺
JACKSON	K5QNE	146.880	-	T100.0	☺
JACKSON	KA5SBK	146.940	-	100.0	☺
JACKSON	W5IQ	147.000	+	T	☺
JACKSON	NC5Y	147.075	+	T	
KILN	K5DMC	145.330	-		
KOSCIUSKO	W5LWC	146.850	-		
LAUREL	KC5QZW	146.610	-		☺
LAUREL	WV5D	147.030	-	T	
LAUREL	KC5RC	147.255	+		
LOUISVILLE	KC5QGC	147.360	+		
LUCEDALE	WA5JZL	146.910	-		
MADISON	K5XU	146.640	-		☺
MAGEE	K5HYE	146.820	-	100.0	☺
MAGEE	KA5LNY	147.300	+		☺
MCCOMB	K5JMD	146.940	-	T	
MENDENHALL	K5HYE	145.110	-	T100.0	☺
MENDENHALL	KB5IKR	145.210	-	T100.0	
MERIDIAN	KC5ZZH	146.655	-		☺
MERIDIAN	W5FQ	146.700	-		
MERIDIAN	KI5FW	146.970	-	100.0	☺
MONTICELLO	N5JHK	147.015	+		
MOOREVILLE	WB5NAY	146.640	-		
NATCHEZ	W5KHB	146.685	-		
NATCHEZ	K5OCM	146.910	-	91.5	
NATCHEZ	K5SVC	147.360	+	100.0	
#NEW ALBANY	KC5VZI	145.230	-	UNCOR	
NEW ALBANY	W5UBG	146.670	-		☺
#NEW ALBANY	KC5VZI	146.745	-	UNCOR	
NEW HEBRON	N5MRS	147.090	+	T	☺
OCEAN SPRINGS	W5LDD	147.030	+		☺
PASCAGOULA	W5WA	145.110	-	T123.0	☺
PASCAGOULA	KE5SJ	146.880	-		
PASCAGOULA	N5PH	146.970	-	T	
PEARL/RANKIN CO	KF5IZ	147.150	+	T88.5	
PETAL	N5DWU	145.170	-	T136.5	☺
PHILADELPHIA	N5EPP	147.330	+		
#PICAYUNE	K5LFP	145.150	-	UNCOR	
POLKVILLE	KB5LCL	147.045	+	T141.3	
PONTOTOC	WB5NAY	147.380	+		
PORT GIBSON	KE5WO	146.625	-		
PURVIS	KB5ZCX	146.670	-		
RAYMOND	KG5YV	147.240	+	PROP	
RICHTON	N5OCF	147.060	+	T	
SENATOBIA	KB5DMT	146.985	-	T107.2	
SHARON	N5ZQC	145.450	-	T100.0	☺
SOUTHAVEN	N5PYQ	145.370	-	T107.2	
STARKVILLE	KD5GVU	146.730	-	210.7	☺
STARKVILLE	KF5C	146.805	-	192.8	
#SUMNER	WB5FXH	147.090	+	UNCOR	
TUPELO	N5VGK	145.490	-		☺
TUPELO	N5ELS	147.240	+		
UNION	N5SPJ	147.210	+	T100.0	
UTICA	N5ZMZ	145.350	-		☺
UTICA	N5ZMZ	147.345	+		☺
#VANCLEAVE	KE5TL	147.000	-	UNCOR	
VICKSBURG	WJ5L	145.290	-		
#VICKSBURG	K5IMT	146.805	-	UNCOR	
VICKSBURG	K5ZRO	147.270	+	T100.0	☺
VOSSBURG	KB5UIX	147.135	+	136.5	
WALLS	N5NBG	145.270	-	T162.2	
WATER VALLEY	N5DXM	147.000	-		
WAYNESBORO	W5SAR	147.105	+		☺
WAYNESBORO	N5DWU	147.315	+		☺
WEST POINT	KC5LIO	147.180	+		☺
WIGGINS	KB5DZJ	145.270	-	T136.5	☺
WINONA	N5EYM	146.970	-	110.9	

220 MHZ

BYHALIA	N4DRL	224.500	-		☺
VICKSBURG	WB5OWY	224.780	-		
WARSAW	N4DRL	224.880	-		☺
WAYNESBORO	W5SAR	224.140	-		☺

440 MHZ

ABERDEEN	KD5AHI	444.450	+		
AMORY	KB5DSN	444.825	+		
BYHALIA	N4DRL	444.300	+		☺
CLERMONT HARBR	WD5BJT	444.150	+	T77.0	
CLINTON	KG5YV	444.000	+	T100.0	☺
ELLISVILLE	N5DWU	442.200	+	T167.9	☺
ELLISVILLE	N5DWU	442.250	+	T167.9	☺
GAUTIER	KA5NOJ	426.250	+		☺
GAUTIER	KA5NOJ	911.250	-		☺
GAUTIER	KC5LCW	443.450	+	123.0	☺
GLOSTER	N5ZNS	443.825	+		
GREENVILLE	N5PS	444.675	+		
HATTIESBURG	W5CJR	443.700	+	T136.5	☺
HAZLEHURST	N5ZDF	443.950	+	T100.0	
HEIDELBERG	KC5RC	444.300	+	T100.0	
HICKORY FLAT	W4ZCD	444.725	+	T179.9	
INDIANOLA	AB5DU	444.850	+	136.5	
JACKSON	KB5LCL	444.450	+	T141.3	
JACKSON	KB5CO	444.600	+	T100.0	☺
JACKSON	NC5Y	444.700	+		
JACKSON	KB5CO	444.800	+		
JACKSON, EAST	AA5RZ	443.625	+		
MCCOMB	N5HTQ	444.875	+	T100.0	
MENDENHALL	K5HYE	443.600	+		☺
MERIDIAN	KB5BRZ	444.100	+	131.8	☺
MERIDIAN	W5LRG	444.500	+	107.2	☺
NATCHEZ	N5IAT	443.800	+		
NETTLETON	AB5MU	444.625	+	192.8	☺
NEW ALBANY	WB5YCR	444.150	+		☺
NEW HEBRON	N5NNI	444.525	+	T	☺
PEARL	KB5HAV	444.375	+	T88.5	
PETAL	W5CJR	443.350	+	T	☺
PHILADELPHIA	WB5YGI	444.950	+		
PICAYUNE	KE5LT	443.725	+	T179.9	☺
PINOLA	KC5LXF	444.850	+		
PORT GIBSON	KC5CLM	444.575	+	T141.3	☺
RICHTON	N5OCF	444.625	+		
SOUTHAVEN	NU5O	443.575	+	PROP	
SOUTHAVEN	N5PYQ	444.925	+	T107.2	
STARKVILLE	W5VZF	444.750	+		
STENNIS SPC CEN	WB4FUR	444.650	+		
TUPELO	N5VGK	444.950	+	T192.8	☺
VICKSBURG	WB5TTE	444.925	+		
VOSSBURG	N5LRQ	442.725	+	T167.9	
WALLS	N5NBG	444.650	+		
WAYNESBORO	W5SAR	443.500	+		☺
WAYNESBORO	W5SAR	443.550	+		☺
WEST POINT	N5WXD	443.450	+		☺
WIGGINS	KB5DZJ	443.300	+	167.9	☺

NORTH CAROLINA

10 METERS

BALD CREEK	N1BEC	29.660	-		
HIGH POINT	KE4QOX	29.640	-	T103.5	☺
NEWPORT	K4GRW	29.660	-	PROP	
ROCKY MOUNT	N4JEH	29.660	-		☺
THOMASVILLE	WW4DC	29.680	-	88.5	☺
WILKESBORO	KC4XE	29.620	-		☺
ZEBULON	WB4IUY	29.620	-		

6 METERS

AIR BELLOWS GAP	WA4PXV	53.050	-		
ASHEVILLE	WD4BQW	53.270	-		☺
ASHEVILLE	N4OOC	53.470	-	PROP	
BALD CREEK	N1BEC	53.030	-		
BARIUM SPRINGS	WA4WRS	53.670	-	PROP	☺
BOONE	WA4NC	53.790	-	PROP	☺
CHAPEL HILL	W4UNC	53.450	-	T107.2	☺
CLINTON	W4TLP	53.330	-		☺
DURHAM	W4BAD	53.750	-		☺
EFLAND	WA1YYN	53.410	-	T107.2	☺
#FAYETTEVILLE	W4EBM	53.810	-	UNCOR	
GASTONIA/CRDR MT	N4XTF	53.110	-		☺
HENDERSONVILLE	W4FOT	53.130	-	T100.0	☺
KVILLE/HIPOINT	KF4QDS	53.590	-	T103.5	
LUMBERTON	KD4BGD	53.110	-		☺
MT MITCHELL	AB4JJ	53.630	-	T100.0	☺
MT. AIRY	KD4FWS	53.970	-	PROP	
MT.AIRY/FANCY GP	KD4FWS	53.070	-	T100.0	
NEWPORT	K4GRW	53.010	-	PROP	
PITTSBORO	KD4JFN	53.230	-	T107.2	☺
RALEIGH	K4ITL	53.030	-		☺
RALEIGH	W4BAD	53.190	-	PROP	☺
#RANLO	KC4YOZ	53.390	-	UNCOR	☺
REELSBORO	KF4IXW	53.090	-	T162.2	☺
ROCKY MOUNT	N4JEH	53.050	-		☺
ROCKY MOUNT	KC4SBJ	53.650	-	PROP	
SAURATOWN MT	N4QLX	53.210	-		
SOPHIA/RANDLEMAN	WR4BEG	53.350	-		
THOMASVILLE	KE4QOX	53.010	-	T88.5	☺
THOMASVILLE	WW4DC	53.170	-	88.5	☺
THOMASVILLE	WW4DC	52.525	+	T88.5	☺
W. JEFFERSON	AB4JJ	53.330	-	T100.0	☺
WILLIAMSTON	K4SER	53.310	-		☺
WILMINGTON	AD4DN	53.430	-	T88.5	☺
YOUNGSVILLE	KD4MYE	53.370	-	T	☺
ZEBULON	WB4IUY	53.070	-	88.5	

2 METERS

AHOSKIE	WB4YNF	145.130	-		
AHOSKIE	WA4ZGQ	146.910	-	T131.8	☺
ALBEMARLE	K4OGB	146.985	-		☺
ANDRWS/ROBNSVL	K4AIH	147.045	-	T151.4	☺
ANDSN MT/DENVER	K4CCR	145.170	-	88.5	☺
AQUADALE	WA4CHZ	147.390	+		
ASHEBORO	KJ4AV	147.255	+		
#ASHEVILLE	WB4PLA	146.835	-	UNCOR	
ASHVL/MT PISGAH	WA4BVW	146.760	-		☺
ASHVL/SPIVEY MT	W4MOE	146.910	-	91.5	☺
BAKERSVILLE	KC4WPM	145.310	-		
BALD CREEK	N1BEC	147.045	+		
BENSON	KD4BJD	146.970	-	PROP	☺
BEULAVILLE	N4VBH	145.230	-		
BOONE/RICH MTN	WA4J	147.360	+	T103.5	☺
BREVARD	K4HXZ	147.135	+		☺
BROADWAY	K4ITL	147.105	+		☺
BURGAW	W4DLH	146.940	-		☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

N. CAROLINA REPEATERS CONTINUE

BURLINGTON	K4FHB	146.670	-		☺
BURNSVILLE	KD4WAR	146.955	-		
BURNSVILLE	KD4WAR	147.375	+		
BUTNER	N4NCK	145.370	-		☺
BUTNER	WA4IZG	146.940	-	T156.7	☺
BUXTON	K4USB	146.625	-	131.8	☺
CANTON	W4DJB	146.805	+		☺
CARTHAGE	W2SE	147.240	+		☺
CHAPEL HILL	W4UNC	145.230	-	T107.2	☺
CHAPEL HILL	K4ITL	147.135	+	T82.5	☺
CHARLOTTE	W4BFB	145.230	-		☺
CHARLOTTE	W4BFB	145.290	-		☺
CHARLOTTE	WA4AOS	145.350	-		☺
CHARLOTTE	W4BFB	146.940	-		☺
CHARLOTTE	W4CQ	147.060	-		☺
CHARLOTTE	W4CQ	147.270	+		☺
CHINA GROVE	N4XO	145.410	-	136.5	☺
CLAREMONT	WB4SRV	147.225	+	T162.2	☺
CLAYTON	WB4IUY	147.390	+	T88.5	
CLINTON	W4TLP	146.790	-		☺
COINJOCK	WN3X	145.290	-	131.8	
COLUMBIA	KB4TOH	146.835	-	T131.8	☺
#CONCORD/KANNAP	K4CEB	146.655	-	UNCOR	☺
CRDR MT/GASTONIA	WD4PLY	145.450	-		
CROSSNORE	KD4GLB	146.700	-	167.9	
#DOBSON	AD4T	146.925	-	UNCOR	
DUNN	N4CID	146.700	-		
DURHAM	WR4AGC	145.450	-		☺
DURHAM	WD4LDB	147.360	+		
EDEN/STONEVILLE	WA4QBG	147.390	+		
EFLAND	WA1YYN	147.180	+	T156.7	☺
ELIZABETH CITY	WA4VTX	146.655	-	131.8	☺
ELM CITY	K2IMO	146.150	-	T88.5	
FARMVILLE	K4ROK	145.270	-	T131.8	☺
FAYETTEVILLE	N4EWG	146.805	-		
FAYVLLE/CFARS	WB4YZF	146.910	-	100	
FAYVLLE/FT BRAGG	W4LPL	147.330	+		
FOREST CITY	WA4BKU	146.670	-		
FOREST CITY	W4SIJ	147.240	+	T123.0	☺
FRANKLIN	NT4K	145.490	-		
FRANKLIN	W4GHZ	147.240	+	T151.4	☺
GASTONIA/CRWDR	K4GNC	146.805	-		☺
GASTONIA/SPCR MT	N4GAS	147.120	+		☺
GIBSONVILLE	WB4IKY	145.490	-	T107.2	☺
GOLDSBORO	KI4RK	145.330	-	100.0	☺
GOLDSBORO	K4CYP	146.850	-	T	☺
GRAHAM	K4GWH	147.375	+	T114.8	☺
GREENSBORO	W4GSO	145.150	-		
GREENSBORO	W4GG	145.250	-	T88.5	☺
GREENSBORO	K4GWH	146.760	-	T88.5	☺
GREENSBORO	KG4BTN	147.030	+	T131.8	
GREENSBORO	W4BUZ	147.210	+		
GREENVILLE	WD4JPQ	145.350	-	T131.8	
#GREENVILLE	KC4UMO	147.375	+	UNCOR	
GREENVL/ESTN NC	W4GDF	147.090	+		
GRIFTON	W4NBR	146.685	-	88.5	☺
HATTERAS ISLAND	K4OBX	145.150	-	T131.8	☺
HAW RIVER	KD4JFN	146.715	-	T107.2	☺
HENDERSONVILLE	WB4YAO	146.640	-	T100.0	☺
HENDERSONVILLE	WA4KNI	147.105	+		
HENDSVL/BERWLW	WA4KNI	145.270	-		
HENDSVL/PENIC	WA4KNI	147.255	+		
HICKORY/BRT. MT	WA4DSZ	146.850	-		
HIGH PEAK MTN	K4OLC	145.210	-	94.8	☺
HIGH POINT	NC4AR	145.290	-	T88.5	☺
HIGH POINT	KB4BPV	146.835	+		
HIGH POINT	W4UA	147.165	+		☺
HILLSBOROUGH	WR4AGC	147.225	+		☺
JACKSONVILLE	KA4SQN	145.190	-		
JACKSONVILLE	WD4FVO	147.000	-		
JEFFERSON	W4YSB	147.300	+	T103.5	☺
KANNAPOLIS	N4JEX	147.300	+	T136.5	☺
KILL DEVIL HILLS	W4PCN	145.110	-	131.8	
KINSTON	W4OIX	145.470	-		☺
LAURINBURG	KI4RR	146.625	-		
LELAND	N4CTJ	145.170	-		
#LENOIR	N4NIN	147.195	+	UNCOR	☺
LENOIR/HIBRITN	KN4K	147.330	+	T141.3	☺
LEXINGTON	N4LEX	145.310	-	T88.5	☺
LEXINGTON	K4IZM	146.910	-	T107.2	☺
LINCOLNTON	NC4LC	147.015	+	141.3	☺
#LUMBERTON	W4NHV	145.150	-	UNCOR	☺
LUMBERTON	W4NHV	147.045	+		☺
LUMBERTON	KD4PBK	147.165	+	T88.5	☺
LUMBERTON	W4PET	147.360	+		☺
MACO	WA4LED	147.060	+	T88.5	☺
MADISON	WA4IXW	147.345	+	T103.5	☺
MANTEO/WANCHES	W4ACY	146.940	-		
MARION	WD4PVE	146.985	-	118.8	
MIDWAY	KM4AR	145.270	-	T77.0	☺
MILLERS CREEK	N4GGN	146.715	-		☺
MONROE/UCARS	N4ZVN	145.390	-	T94.8	☺
MORGANTON	KC4QPR	146.745	-	94.8	☺
MORGANTON	K4VLY	147.150	+		☺
MOUNT AIRY	N4VRD	145.330	-	T100.0	☺
MOUNT AIRY	N4XRY	146.970	-		
MT MITCHELL	WA4BVW	145.190	-		☺
MURPHY/STALCUP	KB4YSX	146.865	+	T151.4	☺
N. WILKESBORO	W4HF	145.370	-		☺
NEW BERN	W4EWN	146.610	-	T100.0	☺
NEWPORT	K4GRW	145.450	-		
NEWTON	K4CCR	147.075	+	T88.5	☺
ORIENTAL	W4SLH	147.210	+	T151.4	☺
OXFORD	N4NCK	145.170	-		☺
PITTSBORO	KD4JFN	147.075	+	T146.2	☺
RAEFORD	KU4W	145.430	-	100.0	☺
RALEIGH	W4RNC	145.130	-	T88.5	☺
RALEIGH	K4GWH	145.190	-	T156.7	☺
RALEIGH	WB4TQD	145.390	-	T82.5	☺
RALEIGH	W4BWC	145.490	-	T88.5	☺
RALEIGH	WB4TOP	146.610	-	T131.8	☺
RALEIGH	W4DW	146.640	-	T88.5	☺
RALEIGH	W4BWC	146.730	-	T88.5	☺
RALEIGH	NC4SU	146.775	-	T88.5	☺
RALEIGH	WB4TQD	146.880	-		☺
RALEIGH	KD4MYE	147.015	+		☺
RALEIGH	KO4CW	147.195	+	T88.5	
RALEIGH/BENSON	AK4H	147.270	+		☺
RED SPRINGS	W4MZP	147.300	+		☺
REIDSVILLE	N4IV	146.850	-	T103.5	☺
#ROANOKE RAPIDS	N4WFU	145.310	-	UNCOR	
ROANOKE RAPIDS	KB4DJT	147.030	+		
ROANOKE RAPIDS	K4ITL	147.150	+	PROP	☺
ROARING GAP	WB4PZA	146.820	-		☺
ROBBINSVILLE	N4GSM	145.110	-	T151.4	☺
ROCKINGHAM	K4RNC	146.955	-		☺
ROCKY MOUNT	KF4NOV	145.290	-	PROP	
ROCKY MOUNT	W4DCG	146.805	-	T118.8	☺
ROCKY MOUNT	WN4Z	147.120	+	131.8	☺
ROLLESVILLE	KF4HFQ	147.315	+	T88.5	
ROSEBORO	K4ITL	145.310	-		☺
SALISBURY	W4EXU	146.730	-	T94.8	☺
SAURATOWN MT	W4NC	145.470	-	T100	☺
SAURATOWN MT	KG4ASL	146.790	-	T107.2	☺
SAURATOWN MT	K4MPJ	147.315	+	T100.0	☺
SHALLOTTE	K4PPD	145.370	-		☺
SHALLOTTE	K4PPD	147.315	+		☺
SHALLOTTE	K4PPD	147.390	+		☺
SHELBY	W4NYR	146.880	-		
SHELBY	W4NYR	147.345	+		
SOUTHPORT	W4ZU	146.775	-	100.0	☺
SPARTA/GREEN MT	K4QFQ	145.430	-		☺
STAR/BISCOE	KI4DH	147.090	+		☺
STATESVILLE	KE4WSX	146.685	-		☺
#STATESVILLE	KC4MJC	147.045	+	UNCOR	☺
SWANSBORO	KB2XI	146.760	-		☺
SYLVA	KF4DTL	147.345	+	151.4	
THOMASVILLE	WW4DC	147.000	+	T88.5	☺
TRENTON	WB4TQD	145.210	-		☺
TRYON	KF4JVI	145.330	-		☺
WADESBORO	W4USH	146.835	-		☺
WASHINGTON	WA4TEP	147.345	+		☺
WAXHAW	WA4ZRS	146.865	+	T94.8	☺
WAYNESVILLE	N4SM	147.270	+		☺
WAYNESVILLE	N4DTR	147.390	+		☺
WHITEVILLE	W4NTQ	147.210	+		☺
WILLIAMSTON	K4SER	145.410	-	T131.8	☺
WILMINGTON	AD4DN	146.670	-	T88.5	☺
WILMINGTON	W4VNK	146.730	-		☺
WILMINGTON	K4GMP	146.820	-	T88.5	☺
WILMINGTON	WA4US	147.135	+	T67.0	☺
WILMINGTON	AC4RC	147.180	+	T88.5	☺
WILSON	WB4THL	146.760	-	131.8	
WILSON	WB4IUY	147.300	+	T88.5	
WINSTON-SALEM	W4NC	146.640	-	T100	☺
YADKINVILLE	N4YSB	147.015	-		☺
YOUNGSVILLE	KD4MYE	145.110	-	88.5	☺

220 MHZ

ANDRWS/ROBINSVL	K4AIH	224.880	-	T	☺
ASHEVILLE	WB4PLA	224.600	-		
ASHVL/MT PISGAH	WA4BVW	224.260	-		☺
BALD CREEK	N1BEC	224.120	-		
BANNER ELK	WA4NC	224.840	-	PROP	☺
BARIUM SPRINGS	WA4WRS	224.300	-		☺
BIG KNB/MARS HIL	KE4RQL	224.660	-	100.0	☺
BURNSVILLE	KD4WAR	224.740	-		
CANTON	N4DWU	224.820	-		☺
CHARLOTTE	W4BFB	224.400	-		☺
CHERRYVILLE	KC4ZTJ	224.960	-		
CLEMMONS	WB9SZL	224.700	-	T100.0	☺
DUNCAN	KM4TC	224.700	-	T88.5	
EDEN	N4IV	224.780	-	T103.5	☺
EFLAND	WA1YYN	224.660	-	T107.2	☺
FAYETTEVILLE	WB4YZF	224.560	-		
FRANKLIN	W4UWH	224.100	-	PROP	☺
GASTONIA	KC4IRA	224.620	-	T127.3	
GOLDSBORO	W3PS	224.960	-	T156.7	☺
GREENSBORO	WB4GUG	224.440	-	T107.2	☺
GREENSBORO	N4QVI	224.960	-		☺
GRIFTON	WA4DAN	224.840	-		
#GRIMESLAND	WB4PAC	224.360	-	UNCOR	☺
HAW RIVER	KD4JFN	224.620	-	T107.2	☺
HENDERSONVILLE	N4UQS	224.960	-		
HENDSVL/BERWLW	WA4KNI	224.240	-		
HILLSBOROUGH	WR4AGC	224.260	-		☺
JACKSONVILLE	KA4SQN	224.320	-		
KERNERSVILLE	KD4LHP	224.820	-	T107.2	
KVILLE/HIPOINT	KE4QOX	224.240	-	T107.2	☺
LENOIR/HIBRITN	KN4K	224.160	-		☺
LEXINGTON	KR4HJ	224.520	-	PROP	
LOCUST	W4DEX	224.480	-		☺
MARSHALL	WA4TG	224.360	-	T	
MT MITCHELL	WA4BVW	224.540	-		☺
OXFORD	N4NCK	224.740	-		☺
PLYMOUTH	KB7BTU	224.760	-	T131.8	
RALEIGH	W4RNC	224.640	-		☺
ROCKY MOUNT	NF4C	224.220	-		☺
ROCKY MOUNT	KR4AA	224.580	-		☺
SALISBURY	W4EXU	224.760	-		☺
SHELBY	W4NYR	224.060	-		
SHELBY	KC4ZTJ	224.460	-		
SOPHIS/RANDLEMAN	WR4BEG	224.140	-	T	
THOMASVILLE	WW4DC	224.340	-	T88.5	☺
#THOMASVILLE	KC4KUL	224.600	-	UNCOR	
TRENTON	WA4DAN	224.720	-		
#WALKERTOWN	WA4RQF	224.580	-	UNCOR	☺
WALKERTOWN	WA4RQF	224.640	-		☺
WILMINGTON	WA4US	224.200	-	T	☺
WILMINGTON	AD4DN	224.500	-	T88.5	☺
WILMINGTON	WB4KPF	224.680	-		
ZEBULON	KD4WJD	224.800	-	T88.5	

440 MHZ

AHOSKIE	WB4YNF	444.200	+	T	
AIR BELLOWS GAP	WA4PXV	443.575	+		
ANDRWS/ROBINSVL	WD4NWV	442.600	+	T151.4	☺
ANDRWS/ROBINSVL	K4AIH	443.650	+	T	☺
ANDSN MT/DENVER	K4CCR	444.075	+	88.5	☺
APEX	KD4PBS	442.075	+	PROP	☺
ARCHDALE	KC4KUL	443.300	+		
ASHEBORO	WD4ICX	442.325	+		
ASHEBORO	KD4JYV	444.300	+	PROP	
ASHEBORO	KE4AQP	444.975	+		☺
ASHEVILLE	WA4TOG	442.550	+		☺
ASHEVILLE	KD4GEU	442.650	+		
ASHEVILLE	KF4TLA	443.275	+	103.5	
AUBURN	N4ZCM	442.275	+		
BALD CREEK	N1BEC	444.875	+		
BREVARD	AG4AZ	442.850	+		☺
BRYSON CITY	N0SU	443.400	+	T151.4	☺
BURNSVILLE	KD4WAR	443.650	+		
CANTON	KE4UIU	443.475	+	T156.7	
CARY	K4JDR	444.775	+	T100.0	☺
CASTALIA	N4JEH	444.975	+	T107.2	☺
CHAPEL HILL	W4UNC	442.150	+	T131.8	☺
CHAPEL HILL	W4UNC	443.475	+	T131.8	☺
CHARLOTTE	W4PPN	421.250	+		☺
CHARLOTTE	KD4QWV	443.950	+		
CHARLOTTE	W4CQ	444.450	+		☺
CHARLOTTE	W4BFB	444.600	+	T100.0	☺
CHARLOTTE	W4WBT	444.675	+		☺
CHARLOTTE	W4CQ	444.850	+		☺
CHERRY MTN	KG4JIA	442.500	+	94.8	☺
CHINA GROVE	N4JEX	443.250	+	T136.5	☺
CLAREMONT	WB4SRV	443.775	+	T118.8	☺
CLAYTON	K4JDR	444.150	+	PROP	☺
COLUMBIA	KB4TOH	443.300	+	131.8	☺
COLUMBUS	K4JLA	442.075	+	T103.5	☺
CONCORD	N6CLU	442.675	+	PROP	☺
CRAB CREEK TWP	KB4PQA	443.125	+		
CROWDER'S MT	KD4FRP	443.675	+		
DALLAS/CHARLTE	WA1WXL	444.950	+	T136.5	☺
DALLAS/CLT	KC4YOZ	443.850	+	T100.0	☺
DURHAM	WR4AGC	444.100	+		☺
DURHAM	KB4WGA	444.925	+	T156.7	☺
DURHAM TV HILL	KJ4SO	421.250	+		
EFLAND	WA1YYN	442.050	+	T107.2	☺
ELIZABETH CITY	WA4VTX	444.300	+	T131.8	☺
FAYETTEVILLE	WB4YZF	444.400	+	100HZ	
FOREST CITY	KC4IEV	443.300	+	T123.0	☺
FOREST CITY	KC4YOQ	444.400	+		
FRANKLIN	N4DTR	444.375	+	T131.8	☺
GASTONIA/CRWDR	KC4ZTI	443.750	+		
GASTONIA/CRWDR	AG4EI	444.150	+	T	☺
GASTONIA/CRWDR	KC4YOT	444.750	+		☺
GASTONIA/SPCR MT	N4GAS	444.550	+		☺
GIBSONVILLE	WB4IKY	443.025	+	T107.2	☺
GIBSONVILLE	WB4IKY	444.350	+	T107.2	☺
GOLDSBORO	W3PS	443.050	+	T156.7	☺
GRAHAM	K4GWH	443.725	+	T156.7	☺
GRANTSBORO	KR4LO	444.350	+		☺
GREENSBORO	KO4AT	421.250	+		☺
GREENSBORO	W4GSO	442.875	+	T88.5	
GREENSBORO	KG4BTN	443.650	+	88.5	☺
GREENSBORO	K4GWH	444.225	+	T146.2	☺
GREENSBORO	KG4BTN	444.475	+	107.2	☺
#GREENVILLE	WB4PMQ	444.800	+	UNCOR	☺
HATTERAS ISLAND	K4OBX	444.925	+	T131.8	☺
HAW RIVER	KD4JFN	443.775	+	T107.2	☺
HENDERSON	KG4IWI	442.125	+	T88.5	☺
HENDERSON	KB4WGA	444.375	+	PROP	☺
HENDERSONVILLE	WA4TOG	442.450	+		☺
HENDSVL/BERWLW	WA4KNI	444.250	+		
HICKORY	WA4PXV	442.375	+		

N. CAROLINA REPEATERS CONTINUE

HICKORY	K4JEQ	444.000	+		
HICKORY	KF4LUC	444.800	+	T94.8	☺
HIGH POINT	W4UA	443.900	+		☺
HIGH POINT	KD4JFN	444.025	+	T107.2	☺
HILLSBOROUGH	WA1YYN	443.950	+	PROP	☺
HILLSBOROUGH	WR4AGC	444.450	+	T100.0	☺
#JACKSONVILLE	KE4JDP	444.675	+	UNCOR	
KANNAPOLIS	N4JEX	443.350	+	T136.5	☺
KERNERSVILLE	KF4DAR	442.975	+	PROP	
KERNERSVILLE	KF4IXK	443.325	+	T131.8	
#KING/SAURATOWN	KE4QEA	444.200	+	UNCOR	☺
KINSTON	N4HAJ	444.575	+	T88.5	
KVILLE/H POINT	KE4QOX	443.700	+	T103.5	
LAKE GASTON	KF5TU	442.350	+	T100.HZ	☺
LENOIR/CAJAH MT	N4EUX	443.525	+		☺
LEXINGTON	KO0NTZ	442.275	+	T	☺
LEXINGTON	K4AE	442.425	+	T107.2	☺
LEXINGTON	K4CH	442.925	+	T107.2	☺
LEXINGTON	WD4ICX	444.500	+		
LILLINGTON	W4FBC	444.175	+	PROP	
LINCOLNTON	WA4YGD	442.350	+		☺
LOCUST	WA4LBT	443.700	+		☺
LOUISBURG	N4EWS	444.250	+	88.5	
LUMBERTON	WB4DVN	444.625	+		
LUMBERTON	KD4BGD	444.700	+	T114.8	☺
MAYODAN	WA4WGY	443.975	+		☺
MCLEANSVILLE	WB4GUG	444.125	+	T	☺
MIDDLESEX	NE4J	444.650	+	T179.9	
MONROE	N4ZVN	444.425	+	T94.8	☺
MORG/WALKER TOP	KC4QPR	442.300	+	94.8	☺
MORGANTON	KC4QZL	443.800	+	T	
MOUNT AIRY	N4XRY	444.925	+		
MT AIRY/FSH PK	KF4UY	444.825	+	T100.0	☺
MT MITCHELL	N4DWU	443.600	+		☺
NEW BERN	W4EWN	444.900	+	T100.0	☺
NEWPORT CCARS	W4YMI	444.975	+		☺
NEWTON	KE4KIV	442.625	+		
OLD FORT	KR4EX	444.775	+		
OXFORD	KC4WXA	444.600	+		☺
PIKEVILLE	KI4RK	443.000	+	PROP	☺
PINEY KNOB	KC4KPW	443.875	+	T103.5	
PITTSBORO	K1BUD	442.550	+	T	☺
PITTSBORO	KD4JFN	444.750	+	T146.2	☺
POLKVILLE	KC4ZTJ	444.975	+		
RALEIGH	K4SCS	442.025	+	PROP	☺
RALEIGH	N4LMR	442.450	+		
RALEIGH	W4MLU	442.575	+	T156.7	☺
RALEIGH	NC4SU	442.675	+	100.0	☺
RALEIGH	WA4NNA	443.125	+		☺
RALEIGH	N4ZCM	443.225	+	T	
RALEIGH	W1IFL	443.375	+	T	
RALEIGH	W4RNC	444.525	+	T88.5	☺
RALEIGH	K4GWH	444.825	+	T146.2	☺
RALEIGH	KD4RAA	444.875	+	T100.0	☺
REIDSVILLE	K4YEC	444.800	+	T107.2	
RES. TRIANGLE PK	WA1YYN	443.425	+	T156.7	☺
ROANOKE RAPIDS	KA4BQM	444.550	+	T192.8	
ROARING GAP	KC4XE	443.550	+		☺
ROCKY MOUNT	N4JEH	443.700	+	T107.2	☺
ROCKY MOUNT	N4JEH	444.700	+		☺
ROCKY MOUNT	KG4IWI	444.725	+	PROP	☺
ROLLESVILLE	KF4HFQ	444.950	+	PROP	
ROUGEMNT/RED MT	WA4WTX	443.275	+	100.0	☺
ROXBORO	KE4GYN	442.175	+	156.7	
RTP	W4EUS	443.625	+		
SALISBURY	W4HG	443.150	+	T136.5	
#SALISBURY	KJ4HF	444.650	+	UNCOR	☺
SAURATOWN MT	WA1YYN	442.825	+	PROP	☺
SAURATOWN MT	KE4QOX	443.100	+	T88.5	☺
SAURATOWN MT	WB4GUG	443.400	+	T107.2	☺
SELMA	KI4RK	444.000	+		☺
#SHELBY	W4NYR	427.250	+	UNCOR	
SOPHIA/RANDLEMAN	WR4BEG	443.075	+		
SOUTHERN PINES	KD4QMS	444.800	+	T118.8	
SPIVEY'S CORNER	KD4DMS	442.875	+		
#STANFIELD	W4DEX	443.200	+	UNCOR	☺
STATESVILLE	N4VOZ	443.450	+		
STATESVILLE	AE4GA	444.700	+	PROP	
TARBORO	N4JEH	444.500	+	T100.0	☺
TAYLORSVILLE	W4ERT	441.625	+	T151.4	☺
TAYLORSVILLE	W4ERT	441.725	+	PROP	☺
TAYLORSVILLE	W4ERT	442.950	+	T151.4	☺
THOMASVILLE	WW4DC	442.900	+	T88.5	☺
#WALKERTOWN	WA4RQF	444.775	+	UNCOR	☺
WAXHAW	WA4ZRS	444.525	+	T94.8	☺
WAYNESVILLE	N4DTR	444.450	+		☺
WENTWORTH	N4IV	442.100	+	PROP	☺
WEST JEFFERSON	AB4JJ	443.500	+	T107.2	☺
WHITAKER MTN	WA4QFV	444.325	+		
WILKESBORO	KE4DGP	442.475	+	T107.2	
WILLIAMSTON	K4SER	444.250	+	T131.8	☺
WILMINGTON	N4JDW	442.075	+	T88.5	
WILMINGTON	WA4US	442.175	+		☺
WILMINGTON	WA4US	442.200	+	T	☺
WILMINGTON	K4YNY	442.500	+	T88.5	☺
WILMINGTON	AD4DN	443.400	+	T88.5	☺
WILMINGTON	WA4US	443.850	+		☺
WILMINGTON	WA4US	443.950	+		☺
WILMINGTON	WA4US	444.200	+		☺
WILMINGTON	WA4US	444.450	+		☺
WILMINGTON	WA4US	444.650	+		☺
WILMINGTON	K4GMP	444.850	+	T88.5	☺
WILSON	W4EJ	444.900	+	T179.9	☺
WINGATE	WB4U	444.875	+	T127.3	☺
WINSTON-SALEM	KU4MC	442.575	+	PROP	☺
WINSTON-SALEM	W4NC	444.275	+	PROP	☺
WINSTON-SALEM	KD4MMP	444.725	+	T107.2	☺
YADKINVILLE	N4AAD	442.800	+	T100.0	☺
YOUNGSVILLE	KD2LH	443.200	+	T88.5	☺
ZEBULON	WB4IUY	442.300	+	88.5	
ZEBULON	KD4WJD	442.400	+		

920 MHZ

RALEIGH	W4FAL	920.800	-	T156.7	☺

1270 MHZ

#CHARLOTTE	W4PPN	1253.250	+	UNCOR	☺
CONCORD	N6CLU	1285.000	-	PROP	☺
GASTONIA/CRWDR	AG4EI	1292.820	-		☺
WILMINGTON	AD4DN	1291.410	-	88.5	☺
ZEBULON	WB4IUY	427.250	+		

SOUTH CAROLINA

10 METERS

SUMTER	W4GL	29.660	-		☺

6 METERS

BISHOPVILLE	K4NOC	53.090	-		
CHESTER	KF4SXO	53.290	-		
COLUMBIA	N5CWH	53.270	-	T162.2	☺
GVL/CSR'S HEAD	KO4MZ	53.410	-	T131.8	☺
LITTLE MOUNTAIN	KN4AS	53.190	-	T156.7	
MOUNTAIN REST	KF4IWA	53.590	-		
ORANGEBURG	AD4U	53.210	-		☺
SUMTER	W4GL	53.770	-		☺
WALTERBORO	KG4BZN	53.310	-	PROP	

2 METERS

ADAMS RUN (CHAS)	KF4CDR	147.345	+	T	☺
AIKEN	KY4S	145.170	-		☺
AIKEN	N4ADM	147.285	+		☺
ANDERSON	N4AW	146.970	-		☺
ANDERSON/SAS MT	N4AW	146.790	-		☺
AWENDAW	K4LWS	147.300	+	T103.5	
BAMBERG	WA4DFP	145.330	-		
BARNWELL	KF4CVO	147.030	+	T156.7	☺
BEAUFORT	W4IAR	145.310	-		☺
BEAUFORT	KD4KOJ	146.655	-		☺
BISHOPVILLE	K4NOC	145.170	-	T123.0	
BISHOPVILLE	W4APE	146.925	-		☺
CAMDEN	KT4NZ	146.820	-	PROP	
CHARLESTON	WA4USN	145.250	-	123.0	
CHARLESTON	WA4USN	146.790	-		
CHARLESTON	KT4YW	146.835	-		☺
CHARLESTON	KF4CDR	146.940	-		☺
CHARLESTON AREA	W4ANK	147.270	+		☺
CHERAW	W4APE	145.490	-		☺
CHESTER	W4CHR	145.310	-		☺
CHESTER	KF4SXO	146.625	-		
CHESTERFIELD	KF4GPE	147.135	+		☺
CLEMSON UNIV	WD4EOG	145.450	-	T	
COLUMBIA	N5CWH	145.270	-	T127.3	☺
COLUMBIA	WB4NEP	146.715	-		
COLUMBIA	KF4GHC	147.330	+	PROP	
COLUMBIA	N4EOY	147.360	+		
DILLON/PEE DEE	NN4N	146.745	-		
EASTOVER	KT4BU	147.075	+	T156.7	☺
ELLOREE	KC4WIF	146.610	-	T118.8	
FLORENCE	W4ULH	146.850	-		☺
FLORENCE	W4GEY	146.970	-		☺
FLORENCE	W4APE	147.195	+		☺
FORT JACKSON	KF4GHC	146.775	-	T156.7	☺
FORT MILL	WZ4SC	145.110	-		☺
FORT MILL	W4DXA	147.180	+		☺
GAFFNEY	KN4RG	145.470	-	T141.3	☺
GEORGETOWN	KI4CB	147.375	+	T179.9	☺
GREELEYVILLE	KG4AQH	145.230	-		☺
GREENVILLE	W4IQQ	146.940	-		☺
GREENWOOD	W4JAK	145.130	-	123.0	☺
GREENWOOD	W4GWD	147.165	+	107.2	☺
#GREENWOOD	K4LEO	147.375	+	UNCOR	
GRNVLE/CSRS HD	W4NYK	146.610	-		
GRNVLE/PARIS MT	W4NYK	146.820	-		
HILTON HEAD	W4IAR	147.240	+	T	☺
INMAN	K8HID	145.150	-		
JACKSON	W4ZKM	145.450	-	PROP	☺
LANCASTER	W4PAX	146.700	-		☺
LANCASTER	AC4VT	147.240	+	T88.5	
LAURENS	KD4HLH	146.865	-	T107.2	☺
LEESVILLE	W4RRC	147.255	+	T123.0	☺
LEXINGTON	NS4SC	145.210	-		
LEXINGTON	KA4FEC	147.390	+		☺
LITTLE MT.	K4AVU	147.210	+		
MARION	WA4MRV	147.000	-		☺
MONCKS CORNER	WD4NUN	147.150	+	T	☺
MOUNTAIN REST	KU4OL	147.030	-	PROP	
MT PLEASANT	K4ESG	146.760	-	T	
MT. PLEASANT	N7GZT	145.450	-	T	
MYB BCH/BRKSVIL	N4LV	147.285	+		☺
MYR BCH/CONWAY	W4GS	145.110	-		☺
MYR BCH/CONWAY	KI4CB	145.470	-	T179.9	☺
MYRTLE BEACH	W4GS	145.290	-	85.4	☺
MYRTLE BEACH	W4GS	147.120	+		☺
N. AUGUSTA	K4NAB	146.730	-	T	☺
#N. MYRTLE BEACH	K4NMB	147.030	+	UNCOR	☺
N. SPARTANBURG	N4UZT	147.315	+	T141.3	
ORANGEBURG	KF4ATU	146.805	-	T156.7	☺
ORANGEBURG	KF4IIM	146.880	-	T118.8	
ORANGEBURG	KF4ATU	147.090	+	T156.7	☺
PAGELAND	W4APE	146.895	-		☺
PALMETTO	KB4RRC	147.345	+	PROP	
PICKENS	WR4PKZ	146.700	-	107.2	☺
PICKENS	WB4YXZ	147.000	-		
PUMPKINTOWN	KU4ZS	145.290	-	PROP	
ROCK HILL	K4YTZ	147.030	-		
SENECA/LONG MT	WA4JRJ	147.270	+		
SIMPSONVILLE	WA4UKX	146.730	-	100.0	☺
SPARTANBURG	K4JLA	147.090	+		☺
ST. GEORGE	K4ILT	147.045	+	123.7	☺
ST. GEORGE	W4DTW	147.225	+		☺
ST. MATTHEWS	AD4U	146.670	-	T156.7	☺
SUMMERTON	N4LWY	145.150	-		
SUMMERVILLE	W4HNK	147.180	+	123.0	☺
SUMTER	K4JR	145.130	-		
SUMTER	W4GL	146.640	-		☺
SUMTER	W4GL	147.015	+	156.7	☺
SUMTER/SHAW	W4VFR	147.060	+		
UNION	K4USC	145.250	-		☺
UNION	K4USC	146.685	-		☺
WALTERBORO	KG4BZN	147.135	+	T	☺
WHITE HALL	WA4SJS	146.910	-		☺
#WHITE OAK MTN	W4RCW	147.285	+	UNCOR	

220 MHZ

BISHOPVILLE	K4NOC	224.860	-		
CHARLESTON	KA4NRL	224.180	-		
COLUMBIA	N5CWH	224.560	-	T162.2	☺
COLUMBIA	KC4SWI	224.640	-		
COLUMBIA	N4EOY	224.900	-		
CROSS	KB4VFD	224.580	-		
FLORENCE	N4JJ	224.940	-		
FORT MILL	WZ4SC	224.800	-		☺
GREENVILLE	W4ILY	224.200	-		☺
GRNVL/DOWNTWN	W4NYK	224.920	-	88.5	
LITTLE MTN	K4RWN	224.520	-		
ORANGEBURG	KO4BR	224.780	-		
PICKENS	AC4RZ	224.280	-		
PICKENS	WB4QHF	224.400	-	T131.8	☺
PICKENS/CSRS HD	WB4QHF	224.140	-	T131.8	☺
PICKENS/SASFR MT	W4IT	224.320	-		☺
SUMTER	W4GL	224.120	-		☺
SUMTER/SHAW	W4VFR	224.660	-		
WEST SPRINGS	KN4CW	224.440	-		

440 MHZ

AIKEN	AC4WW	443.400	+	T107.2	☺
BISHOPVILLE	K4NOC	444.500	+	123.0	
#BLUFFTON	WA4MPZ	442.675	+	UNCOR	☺
CHARLESTON	KF4CDR	442.775	+	T	☺
CHARLESTON	N4MNH	444.300	+		☺
CHARLESTON	KD4PBC	444.950	+	103.5	☺
CLEMSON UNIV.	WD4EOG	444.625	+	T156.7	
CLOVER	KC4KPJ	443.725	+	PROP	
COLUMBIA	N4EOY	443.000	+		
COLUMBIA	N5CWH	443.500	+	162.2	☺
COLUMBIA	KF4GHC	444.200	+	T156.7	☺
COWPENS	KE4EAN	443.625	+	T136.5	☺
EASLEY/SAS MTN	AC4RZ	444.925	+	T103.5	
FLORENCE	W4ULH	444.000	+		
FORT MILL	WZ4SC	443.475	+		☺
GAFFNEY	KC4IEV	442.000	+	114.8	☺
GREENVILLE	KB4PQA	442.250	+		
GREENWOOD	W4GWD	443.900	+	107.2	☺
GRNVLE/PARIS MT	ND4N	443.350	+		☺
KNIGHTSVILLE	WA4USN	441.350	+		☺
LANCASTER	KC4AC	444.100	+		
LAURENS	KD4HLH	443.175	+	T146.2	☺
LAURENS	KF4Y	443.775	+	T141.3	☺
LEXINGTON	N4GUP	421.250	+		
LIBERTY	N4VDE	443.975	+	PROP	
LITTLE MT	NK4W	442.975	+	T162.2	
MOUNTAIN REST	AE4PZ	442.775	+	T127.3	☺
MT. PLEASANT	WA4USN	441.450	+	PROP	☺
MT. PLEASANT	KD4CHL	444.875	+		
MYB BCH/BRKSVIL	N4LV	444.525	+		☺
MYR BCH/CONWAY	W4GS	444.675	+		☺
MYRTLE BEACH	K2PJ	444.575	+	85.4	☺
NO. CHARLESTON	KT4YW	444.600	+		☺
ORANGEBURG	N7GZT	442.200	+	T	
ORANGEBURG	WM3O	444.975	+		☺
PICKENS	WR4PKZ	442.125	+		☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

S. CAROLINA REPEATERS CONTINUE

PICKENS/CSRS HD	WB4QHF	442.400	+	T127.3	
ROCK HILL	KC4KPJ	444.725	+	PROP	
SIMPSONVILLE	N4GLB	442.725	+		
SUMMERVILLE	KC4ED	442.300	+	T	
SUMMERVILLE	W4HNK	443.800	+		
SUMTER	WZ4O	421.250	+		
SUMTER	W4GL	444.150	+	123.0	
UNION	K4USC	442.100	+	PROP	
WALTERBORO	KB4BZN	444.550	+	PROP	

TENNESSEE

BEACON

GREENEVILLE	WB4NKM	222.058	-		

10 METERS

GALLATIN/BNA	W4CAT	29.640	-	T107.2	
GREENEVILLE	WB4NKM	29.640	-		
MEMPHIS	W4ZJM	29.620	-	T*#	
SPRINGFIELD	N8ITF	29.680	-	88.5	
TELLICO PLAINS	AJ4D	29.620	-	PROP	

6 METERS

CHATTANOOGA	K4VCM	53.350	-		
COOKEVILLE	WA4UCE	53.190	-	PROP	
DRESDEN	KE4OVN	53.710	-	T107.2	
GALLATIN	WA4BGK	53.050	-	T114.8	
GRAY/HOLSTON MT	WM4T	53.010	-		
GUTHRIE (TN/KY)	KA4ZKL	53.230	-		
KINGSPORT	K4GX	53.430	-	PROP	
#KNOXVILLE	WA4YON	53.250	-	UNCOR	
KNOXVILLE	N4OQJ	53.550	-	PROP	
KNOXVILLE	W4BBB	53.770	-	1000.0	
KNXVL/ENG MT	WB4IOB	53.150	-		
LAFOLLETTE	K4BGW	53.170	-	PROP	
MARYVILLE	KC4PDQ	53.370	-		
MCNAIRY	NU5O	53.350	-	T107.2	
MEMPHIS	WA4KOG	53.010	-		
MEMPHIS	K4RDK	53.550	-		
MEMPHIS	W4GMM	53.930	-	T107.2	
MONTEAGLE MTN	NO4Y	53.450	-	114.8	
MORRISTOWN	KF4FTD	53.030	-	PROP	
MORRISTOWN	KQ4E	53.230	-		
NASHVILLE	WA4BGK	53.010	-	T114.8	
NASHVILLE	N4ARK	145.210	-		
OAK RIDGE	WD4GYN	53.110	-		
ROAN MTN	KD4SQB	53.310	-		
#ROGERSVILLE	K4GX	53.750	-	UNCOR	
SPRINGFIELD	N8ITF	53.150	-	107.2	
WAVERLY	NO4Q	53.090	-		

2 METERS

ALAMO	WB4EDS	147.135	+		
ANDERSON CTY	KF4BVQ	146.700	-	T100.0	
ARNOLD A.F.B.	KC4FV	147.195	+		
ATHENS	KG4FZR	145.150	-	T141.3	
ATHENS	WA4PNI	145.310	-	T141.3	
BENTON	K4SIR	145.450	-	T	
BLOUNTVILLE	W4CBX	147.000	+		
BOLIVAR	WD4OZN	147.045	+		
BRADEN	WA4KOG	145.490	-		
BRISTOL	W4UD	146.670	-		
BRISTOL	WD4CYZ	146.880	-		
BROWNSVILLE	KB4YTU	145.430	-		
BROWNSVILLE	KD4AOK	146.655	-		
BRSTL/HOLSTN MT	K4JP	146.760	-		
BRUCETON	WF4Q	145.170	-	T107.2	
BUCKSNORT	WF4Q	145.430	-	T107.2	
CARLISLE	KT4WS	145.250	-		
CARTHAGE	N4OTT	145.190	-		
CHARLESTON	KD4LDU	147.060	-	T141.3	
CHATTANOOGA	K4CMY	145.130	-		
CHATTANOOGA	W4AM	145.290	-	T118.8	
CHATTANOOGA	W4AM	145.390	-		
CHATTANOOGA	W4AM	146.610	-		
CHATTANOOGA	W4AM	146.790	-		
CLARKSVILLE	WD4SGA	147.000	+		
#CLARKSVILLE	KF4L	147.390	+	UNCOR	
CLEVELAND	W4GZX	146.925	-		
CLEVELAND	KD4NEC	147.105	+	PROP	
CLEVELAND	WD4DES	147.180	+	T118.8	
COLLEGEDALE	KA6UHV	147.000	+		
COLLIERVILLE	WT4E	145.330	-	PROP	
COLUMBIA	W4GGM	147.120	+		
COOKEVILLE	NO4Y	145.110	-		
COOKEVILLE	WA4UCE	145.430	-		
COOKEVILLE	N4WS	147.210	+		
CORNERSVILLE	KF4TNP	146.625	-	PROP	
CROSS PLAINS	K4BBN	147.345	+		
CROSSVILLE	W4EYJ	146.805	-		
CROSSVILLE	KF4DPU	146.865	-		
CROSSVILLE	KF4HNV	146.895	-	PROP	
CUMBERLAND CITY	WD4DBJ	145.330	-		
CUMBERLAND CITY	WA4TLZ	146.925	-	T127.3	
DANDRIDGE	WD4EGD	146.895	-	T	
DAYTON	K4PHT	147.345	+		
DAYTON/RHEA CTY	K4DPD	147.390	+		
DICKSON	KN4HL	147.375	+		
DOVER	N4VIH	145.410	-		
DRESDEN	KE4OVN	145.350	-	T107.2	
DYERSBURG	WB4RCK	146.745	-		
ELIZTON/HOLS MT	KF4ZQA	145.290	-	T100.0	
ERWIN/PINNACLE	N4WXS	145.250	-	T	
ERWIN/UNICOI	KF4BRS	147.165	+		
EVA	AD4QG	147.090	+		
FAYETTEVILLE	W4BV	147.030	+		
FRANKLIN	W4XS	145.150	-		
FRANKLIN	WA4JA	147.255	+		
FRUITLAND	WF4Q	146.775	-	T107.2	
GALLATIN	W4LKZ	147.240	+	T114.8	
GALLATIN	WA4YQC	147.270	+	T114.8	
GALLATIN	W4CAT	147.300	+	T114.8	
GERMANTOWN	W2GLJ	145.210	-		
GRAY	WM4T	145.110	-		
GREENBRIER	WQ4E	147.075	+	T107.2	
GREENEVILLE	W4WC	145.390	-		
GRNVL/VIKING MT	K4MFD	145.410	-	173.8	
GRNVL/VIKING MT	KB4UG	147.060	+		
GTLBG/COVE MTN	WA4KJH	146.850	-	T127.3	
HARRIMAN	KA4QYI	146.640	-	T100.0	
HARRIMAN	KC4WHL	146.745	-		
HENDERSON	K4TC	147.105	+	T	
HENDERSONVILLE	WB4WZK	145.270	-	T	
HUNTINGDON	KB4YTM	146.835	-		
JACKSON	KF4SC	145.310	-		
JACKSON	WF4Q	147.210	+	T107.2	
JACKSON	WB0TMC	147.270	+		
JAMESTOWN	K4NLP	147.090	+	T100.0	
JASPER	KD4XV	145.190	-	T127.3	
JOHNSON CITY	W4ABR	146.790	-		
JOHNSON CITY	KE4FH	147.270	+		
JONESBOROUGH	WD4OBW	146.925	-		
KNGSPT/BAYS MT	W4TRC	146.970	-		
KNOXVILLE	WB4GBI	145.170	-		
KNOXVILLE	WA4TEM	145.330	-		
KNOXVILLE	KB4KIE	145.370	-		
KNOXVILLE	WB4YLC	145.430	-		
KNOXVILLE	WB4GBI	145.470	-		
KNOXVILLE	WB4GBI	146.625	-	T100.0	
KNOXVILLE	KC4ROG	146.910	-	T	
KNOXVILLE	WB4GBI	146.940	-		
#KNOXVILLE	KD4CWB	147.000	-	UNCOR	
KNOXVILLE	WB4GBI	147.075	+		
KNOXVILLE	KD4CWB	147.195	+	PROP	
KNOXVILLE/RACK	W4BBB	145.210	-	T100.0	
KNOXVILLE/RACK	W4BBB	147.300	+	T100.0	
KNXVL/ENG MT	WB4IOB	146.730	-		
LAFAYETTE	KC4ECD	145.310	-	T151.4	
LAFOLLETTE	KA4OAK	145.130	-		
LAFOLLETTE	K4BGW	146.670	-		
LAFOLLETTE	KA4OAK	147.360	+		
LAKE CITY	WB4OAH	146.820	-		
LAVERNE	W4CAT	145.230	-		
LAWRENCEBURG	W4RDM	146.655	-	T	
LEBANON	WB4DOR	145.390	-		
LEBANON	W4LYR	147.105	+	T100.0	
#LEWISBURG	WB4VXX	146.805	-	UNCOR	
LIVINGSTON	N2UP	147.045	+		
MANCHESTER	W4UOT	146.700	-	T114.8	
MARTIN	N4ABU	146.625	-		
MARYVILLE/ALCOA	W4OLB	146.655	-		
MAYNARDVILLE	KB4KIE	145.230	-		
MCEWEN	NO4Q	147.225	+	T114.8	
MCMINNVILLE	WD4MWQ	146.970	-		
MCMINVL/SHT MT	WB4LHO	145.490	-		
MCNAIRY	WF4Q	147.075	+	T107.2	
MEDINA	WA4RWK	146.970	-		
MEMPHIS	KF4ATY	145.130	-	T107.2	
MEMPHIS	K0JXI	145.150	-		
MEMPHIS	K5FE	145.410	-	T107.2	
MEMPHIS	WA4KOG	145.450	-		
MEMPHIS	WB4KQQ	146.640	-		
MEMPHIS	KE4LFZ	146.730	-	T107.2	
MEMPHIS	W4KIB	146.790	-	T107.2	
MEMPHIS	W4BS	146.820	-	T	
MEMPHIS	WA4KOG	146.850	-		
MEMPHIS	WA4KOG	146.880	-		
MEMPHIS	N4BSM	146.940	-	T107.2	
MEMPHIS	W4ZJM	147.000	-	T*#	
MEMPHIS	W4EM	147.030	+		
MEMPHIS	WA4MQQ	147.060	+		
MEMPHIS	W4GMM	147.090	+	T107.2	
MEMPHIS	N4WAH	147.120	+	T107.2	
MEMPHIS	WA4KOG	147.180	+		
MEMPHIS	WA4ADT	147.300	+	107.2	
MEMPHIS	W4BS	147.360	+	T107.2	
MONTEAGLE MTN	NO4Y	145.410	-	T114.8	
MORGAN COUNTY	WD4ORB	147.330	+	T82.5	
MORRISTOWN	KQ4E	145.450	-		
MORRISTOWN	KQ4E	147.030	+		
MORRISTOWN	WB4OAH	147.225	+		
#MORRISTOWN	KQ4E	147.390	+	UNCOR	
MOUNTAIN CITY	KF4RBR	145.470	-	103.5	
#MT PLEASANT	KF4GHD	145.450	-	UNCOR	
MURFREESBORO	WB4LHO	145.170	-		
NASHVILLE	KC4WPS	145.130	-	T114.8	
NASHVILLE	N4ARK	52.525	+		
NASHVILLE	N4ARK	145.210	-		
NASHVILLE	WR3S	145.370	-		
NASHVILLE	N4ARK	145.470	-		
NASHVILLE	WA4PCD	146.610	-	T	
NASHVILLE	WA4PCD	146.760	-	T114.8	
NASHVILLE	W4SQE	146.790	-	T	
NASHVILLE	W4AY	146.850	-	T114.8	
NASHVILLE	WA4PCD	146.880	-	T	
#NASHVILLE	NT4L	146.955	-	UNCOR	
NASHVILLE	KC4PRD	146.985	-		
NASHVILLE	AF4TZ	147.015	+	T	
NASHVILLE	K4AYN	147.045	+		
NASHVILLE	K4ZGA	147.180	+	T114.8	
NASHVILLE	AF4TZ	147.360	+	T	
NASHVILLE W	AF4TZ	146.640	-	T114.8	
NASHVILLE W	AF4TZ	146.670	-	T114.8	
NASHVILLE WEST	WA4PCD	147.150	+	T114.8	
NASHVL/FAIRVIEW	N4ARK	145.110	-	151.4	
NOLENSVILLE	WD4JYD	145.350	-	114.8	
OAK RIDGE	W4SKH	146.880	-		
OAK RIDGE	W4SKH	146.970	-		
OAK RIDGE	K4EAJ	147.120	+	T82.5	
OAK RIDGE	K4EAJ	147.150	+	T82.5	
OAKFIELD	WA4BJY	147.390	+	T	
PARIS	K4KLX	147.360	+		
PETROS/FRZ HD MT	KJ4SI	147.255	+		
PIGEON FORGE	KD4CLA	145.270	-	T100.0	
PIKEVILLE	KF4JPT	147.285	+		
PULASKI	WD4RBJ	147.330	+	PROP	
PULASKI/MUSIC MT	W4JVO	146.775	-		
PURYEAR	WA4CEX	147.165	+		
RAMER	WB4MMI	146.700	-	T107.2	
RCKWD/MT ROSVLT	AA4KS	147.015	+		
RIDGETOP	K4DXC	145.290	-	114.8	
RIPLEY	KE4NTL	145.230	-	T100.0	
ROGERSVILLE	KD4HZN	147.315	+	T114.8	
SALTILLO	KB4JUB	146.715	-		
SARDIS	AF4OQ	147.195	+		
SELMER	WB4MMI	146.805	-	T107.2	
SHELBYVILLE	N4VFB	147.060	+		
SHILOH	WF4Q	145.290	-	T107.2	
SHORT MTN	W4YXA	146.910	-		
SOMERVILLE	KF4OID	145.110	-	107.2	
SPARTA	N4ARK	147.315	+	T123.0	
SPARTA/WHITE	KR4BT	147.165	+	T123.0	
TELLICO PLAINS	AJ4D	147.315	+	T141.3	
TRENTON	KN4KP	146.865	-		
UNION CITY	WA4YGM	146.700	-		
UNION CITY	WF4Q	147.015	+	T107.2	
WALLAND	KF4ARH	146.685	-	T88.5	
WATERTOWN	KD4EHL	146.730	-	T100.0	
WATERTOWN	W4LYR	146.835	-	T100.0	
WINCHESTER	AB4SW	146.820	-		

220 MHZ

BLOUNTVILLE	W4CBX	224.200	-		
CHATTANOOGA	K4VCM	224.780	-		
CLEVELAND	KK4US	224.320	-		
COALFIELD	KC4WGH	224.840	-	PROP	
COLLIERVILLE	KB4YGI	224.400	-		
ERWIN	KB8FPK	224.180	-	88.5	
GALLATIN	W4CAT	223.980	-		
GALLATIN	KD4VUW	224.700	-		
GATLINBURG	W4UWH	224.620	-		
GRAY	WM4T	224.900	-		
GREENBRIAR	WQ4E	224.800	-		
GREENBRIER	WQ4E	224.760	-		
GREENEVILLE	WB4NKM	224.940	-		
HERMITAGE	WB4SJV	223.900	-		
JC/BUFFALO MT	KE4FH	224.780	-		
KNOXVILLE	WB4GBI	224.340	-	PROP	
KNOXVILLE	N4OQJ	224.380	-	100.0	
KNOXVILLE	N4KFI	224.580	-	T103.5	
KNOXVILLE	K4PCK	224.760	-		
KNOXVILLE/RACK	W4BBB	224.500	-	T100.0	
KNXVL/CROSS MT	KB4FZK	224.220	-	T100.0	
LAFOLLETTE	KA4OAK	224.280	-		
LAVERGNE	WR3S	224.360	-		
MEMPHIS	W4ZJM	223.940	-	T*#	
MEMPHIS	W4BS	224.420	-		
MEMPHIS	WA4KOG	224.780	-		
MORRISTOWN	N4RBB	224.400	-		
MORRISTOWN	KC4RGQ	224.640	-		
MURFREESBORO	KD4TZZ	224.600	-	PROP	
NASHVILLE	WR3S	224.160	-		
#NASHVILLE	KC4TFQ	224.440	-	UNCOR	
NASHVILLE	WR3S	224.460	-		
NASHVILLE	K4ZGA	224.480	-		
NASHVILLE	WR3S	224.660	-		
NASHVILLE	N4PYI	224.740	-	T100.0	
NASHVILLE	KC4PRD	224.840	-		
NASHVILLE	WA4PCD	224.940	-	T	
NEWPORT	AC4JF	224.560	-	T100.0	
ONEIDA	KB4PNG	224.140	-		
ROGERSVILLE	KD4HZN	224.480	-	PROP	
S. PITTSBURG	WR3S	224.760	-		
SE NASHVILLE	WR3S	224.960	-		

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

TENNESSEE REPEATERS CONTINUE

SEVIERVILLE	N2FUV	224.440	-	T	
SEVIERVILLE	KD4IBW	224.700	-	T100.0	
SEVIERVILLE	KD4IBW	224.800	-		
SHORT MTN.	N4PYI	224.260	-	T114.8	☺
SIGNAL MT	W4LOC	224.920	-	PROP	☺
SMITHVILLE	WR3S	223.960	-		☺
SPRINGFIELD	KO4BN	224.220	-		
SPRINGFIELD	N8ITF	224.540	-	107.2	
SWEETWATER	WD9JGI	224.900	-	T	

440 MHZ

ALAMO	WB4EDS	443.750	+		
ARNOLD A.F.B.	KC4FV	443.950	+		☺
BARTLETT	K4VVM	443.700	+	T107.2	☺
BARTLETT	WA4PAJ	444.250	+		
BIG SANDY	W4TLB	443.600	+	114.8	☺
BRSTL/HOLSTN MT	K4JP	444.500	+		
CHAT/MNTLAKE MT	KD4UWA	444.875	+	T156.7	
CHAT/WALDEN	AF4ZJ	442.425	+		
CHATT/HIXSON	N4WT	442.900	+		☺
CHATTANOOGA	WJ9J	442.150	+		☺
CHATTANOOGA	KT4OL	443.125	+	PROP	
CHATTANOOGA	KT4OL	443.125	+	PROP	
CHATTANOOGA	WB4LRD	443.550	+		
CHATTANOOGA	KD4HII	443.900	+	T	
CHATTANOOGA	W4AM	444.100	+		☺
CHATTANOOGA	KE4LQY	444.150	+		☺
CHATTANOOGA	KD4HII	444.200	+	T	
CLARKSVILLE	WA4BZU	444.325	+	T107.2	
CLARKSVILLE	KF4GP	444.950	+	T167.9	
CLEVELAND	WD4DES	442.250	+	T118.8	☺
CLEVELAND	KD4NEB	442.450	+	T88.5	
CLEVELAND	W4GZX	444.275	+		☺
COLLEGEDALE	KA6UHV	443.575	+		☺
COLLIERVILLE	KA7UEC	443.300	+	107.2	☺
COLLIERVILLE	KA7UEC	443.625	+	T107.2	☺
COLLIERVILLE	WT4E	444.625	+	T107.2	
COLUMBIA	W4RDM	442.725	+		☺
COLUMBIA	WA4AKM	444.925	+	T107.2	
COOKEVILLE	WA4UCE	442.300	+	107.2	☺
COOKEVILLE	NQ4Y	444.550	+	T107.2	☺
COOKEVILLE	WS4S	444.600	+	PROP	
CROSSVILLE	W4EYJ	444.950	+	T118.8	☺
CUMBERLAND CITY	WD4DBJ	443.400	+		☺
DAYTON	KJ4BJ	442.075	+		☺
DEASON	WA4AWI	443.350	+	T107.2	☺
DECATUR	KE4MBR	442.725	+	PROP	
DOVER	N4VIH	444.925	+		☺
DRESDEN	KA4BNI	442.150	+		☺
DRESDEN	KE4OVN	443.850	+	T107.2	☺
ETOWAH	KF4CFO	442.275	+	141.3	☺
EVA	AD4QG	443.625	+		
FRANKLIN	N4ULM	443.850	+		
FRANKLIN	WA4AKM	444.725	+	T107.2	
GALLATIN	WD4BKY	444.000	+	T107.2	
GALLATIN	WD4BKY	444.350	+	T114.8	
GALLATIN	W4CAT	444.450	+	T107.2	
GALLATIN	WA4AKM	444.775	+	T107.2	
GATLBG/COVE MT	WA4KJH	443.300	+	T127.3	
GEORGETOWN	WD4OAR	442.925	+	107.2	☺
GERMANTOWN	W2GLJ	444.175	+		☺
GOODLETTSVILLE	KC4PRD	443.125	+	107.2	☺
GRAY	WM4T	442.200	+	T100.0	
GREENBRIER	WQ4E	444.250	+		☺
GREENEVILLE	WB4NKM	444.650	+	T100.0	
GREENEVILLE	K4GX	444.950	+	PROP	
GRNVLE/VIKING MT	W4WC	443.200	+	100.0	
HARRIMAN	KC4WHL	442.875	+	T136.5	☺
HARRIMAN	KC4WHL	444.025	+		☺
HENDERSON	KE4PFW	442.275	+		
HENDERSON	K4TC	444.750	+	T	☺
HICKORY VALLEY	KA4JXT	443.125	+	107.2	☺
HOHENWALD	WB4NNX	442.000	+		☺
HUNTINGDON	KB4YTM	444.375	+		
JACKSON	KA4BNI	442.425	+		
JACKSON	KE4CES	442.900	+	T114.8	☺
JACKSON	WB0TMC	444.725	+	T107.2	
JAMESTOWN	KC4MJN	443.625	+	T100.0	
JASPER	KD4XV	442.050	+	T127.3	☺
JEFFERSON CITY	KD4TUD	444.625	+	T	
JOHNSON CITY	KE4FH	444.100	+		
JOHNSON CITY/BUF	WD4ATV	421.250	+		☺
JOHNSON CITY/HOL	WB4SQC	442.050	+	T100.0	
KNOX/ENGLSH MT	WB4HAP	444.600	+		☺
KNOXVILLE	WB4HAP	442.500	+	T103.5	☺
KNOXVILLE	N4UAG	443.025	+		
KNOXVILLE	KA4AZQ	443.075	+	PROP	
KNOXVILLE	KD4CWB	443.500	+	T	
KNOXVILLE	KA4AZQ	443.800	+	T100.0	
KNOXVILLE	KD4OBX	443.950	+		
KNOXVILLE	KD4CWB	444.000	+	PROP	
KNOXVILLE	KC4NNN	444.175	+	T	
KNOXVILLE	WB4GBI	444.300	+		☺
KNOXVILLE	KB4KSL	444.325	+		
KNOXVILLE	KC4NNN	444.425	+	T	
KNOXVILLE	KD4IBW	444.525	+	T100.0	
KNOXVILLE	KD4TZD	444.925	+		☺
KNOXVILLE/RACK	W4BBB	444.575	+	T100.0	☺
LAFAYETTE	KC4ECD	444.125	+	T107.2	☺
LAFOLLETTE	KB4OTK	443.700	+		
LAKE CITY	WD4LUR	442.800	+	T100.0	☺
LAVERGNE	WR3S	443.975	+	T	☺
LEBANON	WA4AWI	443.275	+	T107.2	☺
LEBANON	W4LYR	443.575	+	T100.0	☺
LEBANON	WA4AXH	444.275	+	T	
LEWISBURG	KF4TNP	442.100	+	PROP	
LEWISBURG	KF4TNP	444.075	+	PROP	
LEXINGTON	KA4BNI	442.075	+		
LORETTO	KF4OCK	442.875	+	203.5	
MARYVILLE	KF4BTL	442.000	+		
MARYVILLE	KC4PDQ	444.075	+	100.0	☺
MARYVILLE	KE4FGW	444.825	+	PROP	
MCEWEN	KE4KNZ	443.925	+	T	
MCKENZIE	KD4KPV	443.875	+		
MCMINNVILLE	WD4MWQ	444.850	+	T	
MCNAIRY	WF4Q	444.550	+	T107.2	☺
MEDINA	WA4BJY	442.050	+		
MEMPHIS	W4GMM	442.175	+	T107.2	☺
MEMPHIS	NU5O	442.575	+	PROP	
MEMPHIS	WB4EPG	442.625	+		
MEMPHIS	WF4G	442.825	+		
MEMPHIS	W4ZJM	443.000	+	T*#	
MEMPHIS	KA4JXT	443.100	+	T107.2	☺
MEMPHIS	KA4JXT	443.125	+	T	☺
MEMPHIS	W4BS	443.200	+	T107.2	
MEMPHIS	WA4QWW	443.400	+		
MEMPHIS	N4ER	443.950	+	T	☺
MEMPHIS	K4RDK	444.025	+		
MEMPHIS	KF4ATY	444.075	+	107.2	☺
MEMPHIS	KA4JXT	444.100	+	T	☺
MEMPHIS	KA4JXT	444.125	+	T	☺
MEMPHIS	WA4KOG	444.400	+		
MEMPHIS	N4WAH	444.500	+	T	
MEMPHIS	K0JXI	444.800	+		
MEMPHIS	K5FE	444.825	+	107.2	
MEMPHIS	K7AG	444.850	+	T107.2	
MEMPHIS	WB4NNE	444.950	+		
MILAN	WD4PAX	442.100	+		☺
MONTEAGLE MT.	NQ4Y	441.250	+		☺
#MORRISTOWN	KD4LP	444.800	+	UNCOR	
MORRISTOWN	KQ4E	444.975	+	T	
MOUNTAIN CITY	K4DHT	443.925	+	T103.5	☺
MT JULIET	N4PYI	444.400	+	T	☺
MT JULIET	N4PYI	444.750	+	T156.7	☺
MT PLEASANT	KF4TNP	443.175	+	PROP	
MURFREESBORO	KD4TZZ	441.875	+	PROP	
NASHVILLE	AF4TZ	421.250	+		☺
#NASHVILLE	WB4PUB	443.050	+	UNCOR	
NASHVILLE	KB5YJC	443.725	+	107.2	☺
NASHVILLE	N4PYI	444.050	+	T107.2	☺
NASHVILLE	AF4TZ	444.150	+	T107.2	☺
NASHVILLE	N4ARK	444.200	+	T	☺
NASHVILLE	N4ARK	444.225	+	T114.8	☺
NASHVILLE	WA4BZU	444.300	+	T107.2	
NASHVILLE	WA4BGK	444.525	+	T107.2	
NASHVILLE	WA4PCD	444.550	+		☺
NASHVILLE	WA4WCK	444.575	+	T	
NASHVILLE	WA4TOA	444.625	+	T107.2	☺
NASHVILLE	WA4PCD	444.675	+	T	☺
NASHVILLE	N4PYI	444.800	+	T110.9	☺
NASHVILLE	WA4AKM	444.875	+	T107.2	
NASHVILLE	WA4AKM	444.975	+	T107.2	
NOLENSVILLE	WA4AXH	443.650	+	T	
OAK RIDGE	K4EAJ	444.400	+	T82.5	☺
OAKFIELD	WA4BJY	442.200	+	T	
ONEIDA	KT4PN	442.825	+		
PARIS	KC4YLL	442.950	+	123.0	
PARIS	AD4LR	443.675	+		
PIGEON FORGE	KD4CLA	444.350	+	T156.7	☺
PROSPECT	WA4AUX	444.600	+	T118.8	
PULASKI	WD4RBJ	442.150	+	PROP	☺
RAMER	WB4MMI	444.900	+	T	☺
RCKWOOD/OZONE	WJ9J	442.225	+		☺
ROCKWOOD	KA4WJS	443.975	+		
ROGERSVILLE	K4GX	443.350	+	T	
SEVIERVILLE	KD4IBW	443.675	+	T100.0	
SEVIERVILLE	N4CKB	444.725	+	T123.0	☺
SHELBYVILLE	WA4PZN	442.700	+	T	
SHELBYVILLE	KC4KRM	443.825	+		
SHRT MT/MURFREB	W4CAT	444.650	+	T107.2	
SMITHVILLE	N4PYI	444.825	+	T107.2	☺
SODDY DAISY	WJ9J	444.450	+		☺
SPARTA	KR4BT	444.375	+	123.0	☺
SPENCER	KA4MHJ	443.775	+	123.0	☺
SPRINGFIELD	N8ITF	442.600	+	107.2	
SUMMITVILLE	N4ZKR	444.475	+	T107.2	☺
WATERTOWN	W4LYR	444.900	+	T100.0	☺
WAVERLY	NO4Q	442.225	+	110.9	☺
WHITE HOUSE	W4KOC	443.900	+	T107.2	☺

920 MHZ

MORRISTOWN	KQ4E	920.800	-		
NASHVILLE	K4ZGA	923.250	-		

1270 MHZ

MEMPHIS	N4HKS	1292.000	-		
NASHVILLE	WA4AKM	1284.400	-		
NASHVILLE	KD4EEW	439.250	+		
SMITHVILLE	WA4AKM	1286.500	-		

VIRGINIA

10 METERS

FANCY GAP	KE4QOX	29.660	-	T123.0	☺
NEWPORT NEWS	W4CM	29.600	+		
STERLINGPARK	KD4DN	29.680	-		

6 METERS

ALEXANDRIA	W4HFH	53.130	-		
AMELIA	WB3R	53.390	-		
AMELIA COURTHSE	KB4YKV	53.110	-		
BALDTOPMT	AD4CG	53.910	-		
BEDFRD/THAX MT	N4CH	53.150	-		☺
BLUEFIELD	N8RIG	53.370	-	PROP	
BULLRUN	K8GP	53.450	-		
CHESTERFIELD	KD4SUU	53.430	-		
DANVILLE(DCC)	WB4GJG	53.130	-	T	
FANCY GAP	WA4CQK	53.290	-	T100.0	☺
GATE CITY	N4WWB	53.210	-		
GUM SPRING	KB4MIC	53.070	-	203.5	☺
HAMPTON	WA4OHX	53.890	-		
LEXNGTN/ROCK MT.	KI4ZR	53.010	-		☺
LYNCHBURG	KE4KEH	53.570	-	103.5	☺
MCCLEAN	K6LEW	53.370	-		
NEWPORT NEWS	KT4QW	53.250	-	T	☺
PEARISBURG	KE4JYN	53.470	-	T107.2	☺
RICE	KE4SFU	53.170	-		
ROANOKE	N4CH	53.250	-		☺
ROANOKE/POOR MT	WB8BON	53.090	-		☺
ROCKY MT/FERRUM	WD4KZK	53.270	-	T107.2	☺
VESTA	N4GBO	53.430	-	PROP	☺
VESTA	KG4KUA	53.430	-	PROP	
WHITE TOP MTN	KB4YFV	53.650	-		

2 METERS

ABINGDN/BRMLY MT	K4JP	146.610	-		
ABINGDON	NM4L	147.345	+	T103.5	☺
ACCOMAC	K4BW	147.255	+	T156.7	☺
ALEXANDRIA	K4US	146.655	-		
ALEXANDRIA	W4HFH	147.315	+		
ALTAVISTA	WA4ISI	146.655	-		☺
AMELIA	WB3R	145.190	-		
AMELIA COURTHSE	KB4YKV	147.180	+		
AMHERST	K4CQ	145.490	-	T136.5	☺
ARLINGTON	WB4MJF	145.150	-		
ARLINGTON	WB4MJF	145.470	-		
ARLINGTON	KF4JPC	146.625	-		
BEDFORD	N4CH	145.230	-		☺
BEDFORD	WB4JBJ	147.105	+		
BEDFRD/APL ORCH	WA1ZMS	146.685	-	T100.0	☺
BLACKSBURG	W9KIC	146.715	-		☺
BLAND	N4AZJ	145.350	-	T103.5	☺
BLUEFIELD	KD8XK	145.250	-	T100.0	☺
BLUEFIELD	W8MOP	145.490	-	PROP	☺
BLUEFIELD/ONEIDA	WZ8E	146.955	-	100.0	☺
BLUEMONT	WA4TSC	147.300	+		
BOYDTON	KD4ZTK	147.240	+		
CHARLOTTESVILLE	WA4TFZ	146.760	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	146.925	-		☺
CHESAPEAKE	WA4YSE	146.610	-		
CHESAPEAKE	N4SD	146.790	-		
CHESAPEAKE	W4CAR	146.820	-	T162.2	
CHESTERFIELD	KD4KWP	145.310	-	127.3	☺
CHESTERFIELD	KA4CBB	147.360	+		☺
#CLINCHCO	KK4MW	146.985	-	UNCOR	
CLINCHCO	KB4RFN	147.150	+	T88.5	
#CLINCHCO	WD4CYZ	147.255	+	UNCOR	
COEBURN	AD4OV	145.430	-	103.5	☺
COVINGTON	WA4HTI	146.805	-		☺
CULPEPER	W4CUL	147.120	+		
CULPEPPER	AF4CY	145.410	-		
DANVILE/WHT OAK	K4AU	146.700	-	107.2	☺
DANVILLE(DCC)	WB4GJG	146.925	-	T107.2	
DUBLIN	W4CBM	146.670	-		
DULLESAIRPOR	W4DLS	145.310	-		
EASTVILLE	N4WAO	147.345	+	T156.7	☺
ELK CRK/IRON MTN	N4MGQ	147.240	+	T107.2	☺
ENON	WB4VWR	147.060	+	T107.2	☺
FAIRFAX	K4KXK	146.790	-		
#FANCY GAP	WA4CQK	145.110	-	UNCOR	☺
FARMVILLE	KE4ZBH	145.330	-		☺
FARMVILLE	KE4ZBH	146.910	-		☺
FARMVILLE	N4CFA	146.955	-	T136.5	☺
FINCASTLE	W4WIC	146.640	-		☺
FOREST	AG4AN	146.775	-	PROP	
FRANKLIN	KD4ITB	147.300	+	T131.8	☺
FREDERICKSBUR	K4TS	147.015	+		
GALAX/BRIRP MT	W4BRC	147.090	+		☺
GALAX/LKOUT MT	N4VL	145.130	-	T103.5	☺
GARRISONVILLE	N4NW	145.270	-		

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue!

VIRGINIA REPEATERS CONTINUE

GATE CITY	N4WWB	146.820	-	T	
GLOUCESTER	W4HZL	145.370	-	T	☺
GOOCHLAND	N4TZE	147.090	+		☺
GREENBAY	K4ARO	145.150	-		
GRUNDY	K4HWQ	147.315	+		
GRUNDY/BIG A MT	KK4EH	146.835	-		☺
GUM SPRING	WB4IKL	147.270	+		☺
HAMPTON	WA4OHX	145.490	-		
HAMPTON	W4QR	146.730	-		☺
HAMPTON	K4UMI	146.940	-	T	
HAMPTON	KA4VXR	147.225	+	T136.5	
HARRISONBURG	N4YET	145.130	-		
HARRISONBURG	N4RAG	146.895	-		
HARRISONBURG	N4RAG	147.225	+		
HARRISONBURG	N4YET	147.315	+		
HIGH KNOB MT	K4QZJ	145.210	-		
#HONAKER	KD4TC	146.805	+	UNCOR	
JARRATT I-95	K4SVA	146.625	-	T100.0	☺
KINGS CROSSING	N5GQD	147.150	+		
LEXINGTON	KI4ZR	147.300	+	131.8	☺
LEXNGTON/ROCK MT.	KI4ZR	147.330	+		☺
LURAY	KE4JSV	147.030	+		
LYNCHBURG	KC4RBA	145.370	-	186.2	☺
LYNCHBURG	W4WWQ	146.610	-	136.5	☺
LYNCHBURG	AB4M	147.015	-	T131.8	☺
LYNCHBURG	WA4RTS	147.195	+	T136.5	☺
MANASSAS	W4OVH	146.970	-		
MARION	N4QLF	146.640	-	T103.5	
MARTINSVILLE	KF4KVG	147.285	+	T107.2	☺
MCLEAN	W4CIA	147.210	+		
MECHANICSVILLE	W4TTL	146.805	-	PROP	
MONTEREY	WD4ITN	147.180	+	T100.0	☺
MONTPELIER	KQ4RH	145.250	-	T	☺
MOUNTAIN LAKE	WZ8E	146.865	+	110.9	☺
MT.LAKE/BALD KNOB	K4TUE	146.910	-	107.2	
NEWMARKET	W3MMC	146.625	-		
NEWPORT NEWS	W4MT	145.230	-	T100.0	☺
NEWPORT NEWS	W4CM	147.165	+		
NORFOLK	WA4ZUA	145.170	-	136.5	
NORFOLK	W4VB	145.330	-		☺
NORFOLK	KF8PT	146.700	-	PROP	
NORFOLK	AD4ZK	147.075	+		☺
NORTON	KF4VDF	146.865	-	T103.5	☺
NORTON/HIGH KNB	K4AXO	147.015	-	T88.5	
PAGECO	KD4DDI	146.670	-		
PATRICK SPRINGS	WB8POC	147.120	+	T107.2	☺
PEARISBURG	N4AZJ	147.135	+	T100.0	☺
PEARISBURG	W4NRV	147.375	+	T100.0	☺
PETERSBURG	KE4SCS	146.985	-	PROP	
PETERSBURG	K4ARO	147.390	+		
PKS KNOB/PULASKI	WB3S	147.180	+	T103.5	☺
PORTSMOUTH	W4POX	146.850	-		☺
QUANTICO	#W4NFR	147.345	+		
RADFORD/RINER	N3ZE	145.150	-		☺
RICHMOND	K4YPE	145.110	-		☺
RICHMOND	W4SQT	145.430	-		☺
RICHMOND	WB4QEY	146.640	-		
RICHMOND	W4RAT	146.880	-		
RICHMOND	W4ZA	146.940	-		☺
RICHMOND	WA4JST	147.030	-		
RICHMOND	KC4VDZ	147.135	+	T107.2	
ROANOKE	N2EDE	145.210	-	107.2	☺
ROANOKE	N4AP	146.940	-		
ROANOKE/POOR MT	K4ARO	145.390	-	T107.2	
ROANOKE/POOR MT	K4ROA	146.745	-	T107.2	
ROANOKE/POOR MT	W4CA	146.985	-		
ROANOKE/POOR MT	KB4QWO	147.270	+		☺
RUSTBURG	N4UTN	145.290	-	T	☺
RUSTBURG/LONG MT	N4UTN	146.835	-	T173.8	☺
SALEM	WA4V	146.880	-		
SALUDA	AA4HQ	145.450	-		☺
SMITHFIELD	WT4RA	147.195	+	T100.0	☺
SOUTH BOSTON	KF4LWH	145.350	-		☺
SOUTH BOSTON	KF4AGO	147.060	-		☺
SOUTH HILL	N4ZCM	145.470	-		
SPOTSYLVANIA	K4MQF	146.775	-		
STAUNTON	KD4KAU	145.450	-	T131.8	
STAUNTON	KD4WWF	146.700	-	T131.8	
STAUNTON	WA4ZBP	146.850	-	T131.8	
STAUNTON	W4WRN	146.970	-		
STAUNTON/EL.KB	KE4CKJ	147.045	+	T131.8	
STERLING	WA4TXE	146.700	-		
STUARTS DRAFT	KB4OLM	147.360	+		☺
SUFFOLK	W4LG	147.000	-	T100.0	☺
TYSONSCORNER	KF4QQP	146.910	-		
VIENNA	K4HTA	146.685	-		
VIRGINIA BEACH	WA4KXV	146.895	-		☺
VIRGINIA BEACH	WA4KXV	146.970	-		☺
VIRGINIA BEACH	WA4SBC	147.045	+		
WALKERTON	W4TTL	146.715	-		
WARRENTON	KB3BOI	145.350	-		
WARRENTON	NZ4N	147.165	+		
WARSAW	KA4ZIP	147.285	+		☺
WAYNESBORO	W4PNT	147.075	+		☺
WILLIAMSBURG	KF4ADM	145.410	-	127.3	
WILLIAMSBURG	K4RC	146.670	-	T	
WILLIAMSBURG	KB4ZIN	146.760	-		☺
WILLIAMSBURG	KB4ZIN	147.105	+		☺
WINCHESTER	KB3BOI	145.350	-		
WINCHESTER, VA	W4RKC	146.820	-		☺
WOODBRIDGE	W4IY	147.240	+		
WYTH/WALKER MT	WB3T	146.895	-	T103.5	☺
WYTHEVILLE	WB3T	146.775	-	T107.2	☺

220 MHZ

ARLINGTON	WB4MJF	224.060	-		
ARLINGTON	WB4MWF	224.620	-		
BEDFORD	N4PLV	224.840	-		
BEDFRD/APL ORCH	WA1ZMS	224.180	-	T100.0	☺
BELLKNOB	WD4KHP	224.440	-		
BERRYVILLE	WD4KHP	224.400	-		
BERRYVILLE	WD4KHP	224.740	-		
BLUEFIELD	N8FWL	224.440	-	PROP	☺
BLUEFIELD	WA8O	224.920	-		☺
BLUEMTN	KF4VED	224.160	-		
BUCK'S ELBOW	N4RAG	224.320	-	T131.8	
CHARLOTTESVILLE	N4HRV	224.140	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	224.760	-		☺
DELTAVILLE	AA4HQ	224.900	-		☺
FAIRFAX	WB4YHD	224.100	-		
FANCY GAP	K4DQ	224.880	-	T100.0	
GLOUCESTER	W4GSF	224.620	-		☺
HAMPDEN-SYDNEY	W4JAS	224.200	-		
HAMPTON	WB4PVT	224.540	-	T100.0	☺
HARRISONBURG	N4YET	224.820	-		
HAYMARKET	WD4KHP	224.420	-		
HAYMARKET	WD4KHP	224.720	-		
LAKE GASTON	W4LG	224.600	-		☺
LEESBURG	N0NW	224.020	-		
LOVETTSVILLE	WB4FUJ	224.460	-		
LURAY	KE4JSV	224.360	-		
LYNCHBURG	AB4M	224.280	-		☺
MANASSAS	W4OVH	224.660	-		
MARTINSVILLE	K4RCA	224.500	-		
NORFOLK	KC4JGC	224.740	-	T100.0	
NORTON/HIGH KNB	WD4GSM	224.420	-		
PATRICK SPRINGS	WB8POC	224.420	-	T103.5	☺
PEARISBURG	KQ4Q	224.860	-	103.5	
PETERSBURG	K4ARO	224.700	-		
RIDGEWAY	WS4W	224.380	-	T	
ROA/CAHAS MT	AB4EM	224.940	-		☺
ROANOKE	N4CH	224.100	-		☺
ROANOKE/TINKER	K4YDG	224.900	-		☺
STAUNTON/EL KNOB	KE4CKJ	224.300	-	T131.8	
STUART	WB4GUG	224.200	-	T107.2	☺
TYSONS CORNER	KM4OI	224.340	-		
TYSONS CORNER	WD4KHP	224.420	-		
WAYNESBORO	KA4RCL	224.680	-	T131.8	
WINCHESTER	N3HXT	224.220	-		
WOODBRIDGE	W4IY	224.780	-		
WYTHEVILLE	N8FWL	224.680	-	PROP	☺

440 MHZ

ABINGDON	KB8KSP	442.975	+	T100.0	☺
ACCOMACK	K4BW	444.300	+	T156.7	☺
ALTAVISTA	WA4ISI	444.425	+		☺
AMELIA	KB4YKV	443.200	+		
ARLINGTON	KD4DSX	448.625	-		
ARLINGTON	W8HNT	449.325	-		
ARLINGTON	WB4MJF	444.150	+		
ARLINGTON	K4AF	444.550	+		
BASSETT	KF4RMT	442.725	+	PROP	
BEDFORD	N4CH	444.350	+		☺
BEDFRD/APL ORCH	WA1ZMS	442.650	+	T100.0	☺
BEDFRD/APL ORCH	WA1ZMS	443.800	+	T100.0	☺
BELLKNOB	WD4KHP	449.825	-		
BERRYVILLE	WB2KPH	447.475	-		
BIG A MTN	KB4WTP	444.875	+		☺
BLUEFIELD	W8MOP	442.450	+	PROP	
BLUEFIELD	W8MOP	444.450	+		☺
BLUEFIELD	WZ8E	444.625	+		☺
BLUEFIELD/ONEIDA	WB3T	443.325	+	T103.5	☺
BLUEMONT	WA4TSC	449.925	-		
BULL RUN MT	WA3KOK	447.775	-		
CHARLOTTESVILLE	KF4UCI	442.075	+	T151.4	☺
CHARLOTTESVILLE	WA4TFZ	444.250	+	T151.4	☺
#CHARLOTTEVILLE	KF4UCI	444.775	+	UNCOR	☺
CHESAPEAKE	W4CAR	444.000	+	PROP	
CHESTERFIELD	WA3KOK	433.075	+	PROP	
CHESTERFIELD	KD4SUU	442.150	+		
CHESTERFIELD	WA3KOK	442.450	+	PROP	
CHESTNUT KNOB	KF4RMT	443.825	+	T107.2	
COPPER RIDGE	KB4WTP	444.550	+	PROP	☺
COVINGTON	WA4HTI	442.250	+		☺
DALECITY	N8BOR	443.100	+		
DANVILE/WHT OAK	K4AU	444.700	+		☺
DANVILLE	KQ4I	443.850	+		☺
ENON	WB4VWR	444.200	+		☺
ENON	W4HDF	444.275	+	T114.8	☺
FAIRFAX	K4HTA	448.375	-		
FAIRFAX	WD4KHP	449.775	-		
FALLSCHURCH	WB4UNB	447.425	-		
FALLSCHURCH	KF4LWJ	444.300	+		
FANCY GAP	WD4ICX	433.200	+		
FANCY GAP	WB3T	444.050	+	T103.5	☺
FANCY GAP	WD4ICX	444.175	+	T107.2	☺
FANCY GAP	N4OWU	444.375	+	T107.2	☺
FANCY GAP	N4XRY	444.900	+		
FANCY GAP	KD4FWS	444.925	+	PROP	
FOREST	AG4AN	442.475	+	PROP	
FOREST	W8CXD	443.600	+	T136.5	☺
FOREST	WD4KQI	444.750	+		☺
FRONTROYAL	N4MKH	449.225	-		
GASBURG	W4LG	442.000	+		☺
GATE CITY	N4WWB	444.700	+		
GLOUCESTER	N4XND	421.250	+		
GRETNA/SMITH MT	KD4TBC	444.075	+	T123.0	
GUM SPRING	KB4MIC	442.800	+		☺
HAMPTON	K4UMI	443.650	+		
HAMPTON	WA4OHX	443.750	+	100.0	
HAMPTON	W4QR	444.550	+	T167.9	☺
HARRISONBURG	N4YET	444.600	+		☺
HAYMARKET	KT4ER	448.325	-		
HAYMARKET	N3AUY	449.025	-		
HERNDON	N4LXI	443.000	+		
HIGHKNOB	N1TXI	447.725	-		
HILLSVILLE	KB4YFV	442.125	+	T103.5	
INDEPENDENCE	KF4ZIG	443.375	+	T103.5	☺
JONESVILLE	WB4IVB	442.575	+	T100.0	
LEXINGTON	KI4ZR	444.300	+		☺
LEXNGTN/ROCK MT.	KI4ZR	444.150	+		☺
LORTON	WD4KHP	449.725	-		
LYNCHBURG/JACK MT.	KF4YI	442.400	+	T107.2	
LYNCHBURG/TOB MT	K4CQ	444.500	+	T136.5	☺
LYNCHBURG	KB4CVN	420.050	+	PROP	☺
LYNCHBURG	K4CQ	923.250	-		☺
LYNCHBURG	AB4FU	442.950	+	T	☺
LYNCHBURG	KC4RBA	443.450	+	186.2	☺
LYNCHBURG	W4WWQ	444.550	+	T136.5	☺
LYNCHBURG/T.ROW MT.	N4IFC	442.200	+	T103.5	
MADISON	N8HON	444.400	+		
MANASSAS	W4OVH	442.200	+		
MARION	WB3T	443.125	+	T103.5	☺
MEADOWS OF DAN	WG4R	444.250	+	T103.5	☺
NEWPORT NEWS	W4MT	442.900	+	T100.0	☺
NORFOLK	AD4ZK	444.475	+	T	☺
NORFOLK	WD4MIZ	444.675	+	T107.2	☺
OILVILLE	KB4MIC	444.800	+		☺
PATRICK SPRINGS	WB8POC	443.175	+		☺
PATRICK SPRINGS	KC3FB	443.750	+	PROP	☺
PEARISBURG	N4AZJ	444.975	+	T103.5	☺
PETERSBURG	K4ARO	442.600	+		
PETERSBURG	WB4KZI	443.825	+		
PORTSMOUTH	W4POX	443.800	+		☺
POWHATAN	KN4YM	443.100	+		☺
PULASKI	KE4CIF	442.775	+	T	☺
QUANTICO	N3QEM	447.975	-		
RICHMND/CHLTVL	N4EHJ	444.650	+		☺
RICHMOND	WA4AYB	441.600	+	PROP	
RICHMOND	KC4VDZ	442.300	+	T114.8	
RICHMOND	W4RAT	442.550	+	T127.3	
RICHMOND	AB4SF	444.850	+	T	☺
ROA/POOR MT	N4FHL	439.250	-		
ROA/POOR MT	KA4IXK	442.850	+		☺
ROANOKE	K4ARO	442.600	+	T	
ROANOKE	W7CP	442.700	+	T	☺
ROANOKE	WB3T	444.325	+	T103.5	☺
ROANOKE/MILL MT	WD4KZK	442.750	+	T107.2	☺
ROANOKE/POOR MT	W4CA	442.500	+		
ROANOKE/READ MT	WD4KZK	444.850	+	T107.2	☺
ROANOKE/TINKER M	WB8BON	444.925	+		☺
SILER	WA4RS	449.175	-		
SLINGS GAP	WD4KZK	444.775	+	T107.2	☺
SOUTH BOSTON	KF4AGO	443.925	+		☺
SOUTH BOSTON	KF4LWH	444.625	+		☺
SOUTH HILL	KD4MJO	443.525	+	100.0	☺
SPOTSYLVANIA	N2XHZ	447.875	-		
SPOTSYLVANIA	KD4QNA	442.700	+		
SPOTSYLVANIA	K4MQF	442.850	+		
STAFFORD	K4HR	444.450	+		
STAUNTON	WA4ZBP	444.825	+	T131.8	
STAUNTON/EL KNOB	KE4CKJ	444.100	+	T131.8	
STERLING	WA4TXE	442.100	+		
STUART	WB4GUG	442.225	+	T107.2	☺
STUARTS DRAFT	KB4OLM	444.050	+		☺
TYSONS CORNER	KA3RQR	447.025	-		
TYSONS CORNER	KM4FI	443.500	+		
VIENNA	N4KOU	444.850	+		
VINTON	K4YD	443.675	+	T107.2	☺
VIRGINIA BEACH	WA4KXV	444.950	+		☺
WAYNESBORO	N3XA	426.250	+		
WHITETOP MT	KM4X	443.000	+	T103.5	☺
WILLIAMSBURG	KB4ZIN	444.100	+		☺
WILLIS	W4DUM	443.875	+		
WINCHESTER	W4RKC	448.775	-	146.2	☺
WINCHESTER	W3CSG	442.000	+		
WOODBRIDGE	W4IY	444.900	+		
WYTHE/WAI KER MT	WB3T	442.000	+	T103.5	☺
WYTHEVILLE	WB3T	442.525	+	103.5	☺
YORKTOWN	N3ELM	443.550	+	T100.0	☺

920 MHZ

ALEXANDRIA	WA4CCF	919.600	-		
BEDFRD/APL ORCH	WA1ZMS	921.100	-	T100.0	☺
CULPEPER	KA4DCS	919.400	-		

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . conclude!

VIRGINIA REPEATERS CONTINUE

LYNCHBURG/TOB MT	K4CQ	921.000	-	T100.0	☺
ROANOKE/POOR MT	WD4KZK	919.500	-	107.2	☺
TYSONS CORNER	K6LEW	919.500	-		
WOODBRIDGE	KA4DCS	919.800	-		

1270 MHZ

BEDFORD/APL ORCH	WA1ZMS	1283.100	-	T100.0	☺
ROANOKE/POOR MT	N4CH	1291.020	-		☺

2.4GHz

BEDFORD/APL ORCH	WA1ZMS	2411.600	+		☺

WEST VIRGINIA

10 METERS

BECKLEY	KA8OTX	29.620	-		☺
BECKLEY	KE4QOX	29.680	-	T88.5	☺
CHARLESTON	WB8CQV	29.640	-	203.5	
RICHWOOD	WA8YWO	29.660	-	T100.0	

6 METERS

ALDERSON	WV8BD	53.190	-		
BECKLEY	N8FWL	53.170	-	T123.0	☺
BECKLEY	WB8YST	53.590	-	T107.2	☺
CEREDO	KC8PFI	53.870	-	PROP	
CHARLESTON	WB8YST	53.630	-	T107.2	☺
FLATWOODS	N8CQQ	53.110	-	PROP	
GASSAWAY	K8WGB	53.210	-	T123.0	
LEWISBURG	KC8LRN	53.930	-	PROP	☺
MARMT/CHARLSTN	N8PEI	53.750	-	T141.3	
RICHWOOD	WB8YST	53.710	-	T107.2	☺
SHIRLEY	KB8TJH	53.310	-		
SNOWSHOE	KC8CSE	53.330	-		☺

2 METERS

AMBER RIDGE	KB8NJH	147.210	+	T107.2	☺
BECKLEY	KC8AFH	146.700	-	PROP	
BECKLEY	N8FWL	147.360	+	T123.0	☺
BECKLEY/BOLT MT	WV8B	145.170	-	T100.0	☺
BECKLEY/EOC	WV8BD	145.370	-		
BECKLEY/FLAT TOP	WV8BD	146.850	-		
BECKLEY/LAYLAND	N8FCJ	145.310	-	T100.0	☺
BECKLY/OAK HILL	N8FWL	145.230	-	T100.0	☺
BERKELEYSPRIN	KK3L	146.745	-		
BIRCH RIVER	N8FMD	145.270	-	T103.5	☺
BRIDGEPORT	WB8DKM	147.120	+	T	☺
BUCKHANNON	N8FHE	145.410	-		
BUCKHANNON	N8ZAR	146.850	-		
BUCKHANNON	N8ZAR	147.060	+	123.0	
CAPON MOUNTAIN	N8YIB	147.435	-		
CHARLESTON	W8GK	145.350	-	91.5	☺
CHARLESTON	WB8YST	145.430	-	PROP	☺
CHARLESTON	WB8IFS	146.820	-		☺
CHARLESTOWN	N8EIV	146.985	-		
CLARKSBURG	N8FMD	146.685	-	T103.5	☺
CLARKSBURG	N8FMD	147.210	+	T103.5	☺
DANVILLE	WB8NAM	146.685	+	T	
DAVIS	KE8MR	147.135	+	T103.5	☺
ELKINS	WJ8G	145.230	-	T103.5	
ELKINS	KB8BWZ	146.775	-		
FAIRMONT	W8SP	145.350	-	T103.5	
FENWICK	KD8AB	146.940	-		
FLAT TOP/WINTRPL	WV8B	146.625	-	T100.0	☺
FLATWOODS	N8ZPX	146.655	-	T123.0	
FRANKLIN	W3RUA	147.345	+		☺
FROST	N8RV	145.110	-	107.2	☺
GASSAWAY	WB8MZI	146.610	-		☺
#GASSAWAY	K8WGB	147.240	+	UNCOR	
GLENVILLE	N8OYY	145.130	-		
GLENVILLE	WB8WV	145.290	-		
GRAFTON	WD8LNB	147.375	+	118.8	☺
GRANTSVILLE	N8LGY	145.450	-	T103.5	
HARISVL/PENSBRO	WB8NSL	147.300	+		
HARPERS FERRY	KB3BOI	145.350	-		
HINTON	KC8CNL	147.255	+	100.0	☺
HUNTINGTON	WB8FEQ	145.210	-		
HUNTINGTON	W8VA	146.760	-		
HUNTINGTON/CHAS	WB8EZR	146.640	-		☺
IAEGER	N8SNW	146.655	-	T203.5	
KEYSER	N8RCG	147.390	+	123.0	☺
#LENORE	KF8HL	145.390	-	UNCOR	
LEON	WD8OHX	147.180	+		
LEWISBURG	WB8SPW	146.730	-	T100.0	
LEWISBURG	N4RAG	146.760	-	T131.8	
LEWISBURG	WV8D	147.390	+	T100.0	
LOGAN SOUTH	NV8H	147.195	+	100.0	
LOGAN/SUMERCO	NU8K	147.345	+		
LOGAN/WRD RK MT	KJ8E	146.970	-		☺
MADISON	WB8NAM	147.120	+	T	
MARLINTON	N4RAG	147.090	+	131.8	
MARTINSBURG	WA8FSE	145.150	-		
MARTINSBURG	WB8YZV	147.255	+		
MARTINSBURG	K3MAD	147.345	+		
MCMECHEN	N8BQ	146.910	-		☺
MIDDLEBOURNE	WV8TC	147.360	+	T110.9	☺
MOOREFIELD	KD4SZR	145.190	-		
MORGANTOWN	K8LG	145.430	-		
MORGANTOWN	W8CUL	146.760	-		☺
MORGANTOWN	KE8MR	147.075	+	T103.5	☺
MULLENS	KC8IT	147.030	+		☺
NEW MARTINSVILLE	KF8LL	146.985	-		
OAK HILL	NM8T	146.790	-		
PARKERSBURG	WV8G	145.490	-		
PARKERSBURG	WA8LLM	147.255	+		☺
PARKERSBURG	WD8CYV	147.390	+	T141.3	
PARKERSBURG (OH)	N8NBL	146.970	-		
PARSONS	K8VNQ	145.370	-	T118.8	☺
PHILIPPI	K8VE	145.150	-	103.5	☺
PINEVILLE	W8LG	147.285	+		☺
PRINCETON	KA8PNC	147.060	-		☺
PRINCETON	WB8NRK	147.225	+	T114.8	☺
PRINCETON/PIPESTEM	WD8OGY	146.925	-		
RAVENSWOOD	WD8JNU	146.670	-		
RED HOUSE	WV8AR	145.410	-	T123.0	☺
RICHWOOD	WB8YJJ	145.190	-	T	
RICHWOOD	AA8TH	147.015	+	T	
RICHWOOD	KB8YDG	147.150	+	T100.0	☺
ROCKPORT	KC8TLG	147.135	+	T123.0	
SALT ROCK	K8SA	145.110	-	T110.9	
SCOTT DEPOT	WV8AR	147.270	+	123.0	☺
SHIRLEY	KB8TJH	145.310	-	T	
SKYLINE	K7SOB	147.360	+	T127.3	
SMITHERS	NM8T	147.075	-		
SO. CHARLESTON	WB8CQV	146.880	-	203.5	
SPENCER	KA8AUW	147.105	+	100.0	☺
SPRUCE KNOB	N8HON	147.285	+		
ST ALBANS	K8WMX	147.000	-		☺
ST.MARYS/BENS RG	WB8ECC	147.030	+		
SUMMERSVILLE	W8FG	145.470	-	100.0	
TERRA ALTA	KD8ZR	147.000	+	T	☺
UNION	W8IFL	145.410	-		
WEIRTON	W8CWO	146.940	-		
WELCH	WB8SXZ	145.450	-		
WESTON	WD8EOM	145.390	-		☺
WESTON	WC8K	147.165	+		
WHEELING	KA8YEZ	145.190	-		☺
WHEELING	W8ZQ	146.760	-		☺
WILLIAMSON	WR8M	145.330	-		☺

220 MHZ

ANSTED	N8FWL	224.640	-	PROP	☺
BECKLEY	N8FWL	224.240	-	T123.0	☺
BECKLEY - SOUTH	N8FWL	224.740	-	PROP	☺
BECKLEY - WEST	N8FWL	224.540	-	123.0	☺
BECKLEY/OAK HILL	N8FWL	224.340	-	123.0	☺
BERKELEYSPRIN	KA3VLG	224.700	-		
CHARLESTON	WB8YST	224.360	-	107.2	☺
FLAT TOP/WINTRPL	WV8B	224.120	-	100.0	☺
HILLSBORO	KC8LRN	224.220	-	T131.8	☺
#LEON	WD8OHX	223.780	-	UNCOR	
LEWISBURG	KC8LRN	224.800	-	T	☺
WILLIAMSON	WR8M	224.140	-		☺

440 MHZ

ALDERSON/SAM BLK	N8LVE	444.400	+	T100.0	☺
BECKLEY	N8FWL	443.050	+	T123.0	☺
BECKLEY	N8LVE	444.125	+	T	☺
BECKLEY/BOLT	W8LG	443.225	+		☺
BECKLEY/OAK HILL	WV8B	444.800	+	100.0	☺
BECKLY/OAK HILL	KE4QOX	443.100	+	T107.2	☺
BELINGTON	N8SCS	444.900	+	141.3	☺
BERKELEYSPRIN	WA3KOK	442.450	+		
BLUEFIELD	WZ8E	443.625	+	100.0	☺
BUCKHANNON	N8ZAR	444.250	+		
CEREDO	KC8PFI	443.600	+	PROP	
CHARLESTON	KB8QKM	442.925	+	71.9	
CHARLESTON	WV8AR	444.225	+	T123.0	☺
CHARLESTON	WB8YST	444.350	+	T107.2	☺
CLARKSBURG	N8FMD	444.175	+	T103.5	☺
DANS MOUNTAIN	N8YIB	145.330	+		
DUNMORE	KC8CSE	444.275	+	123.0	☺
FAIRMONT	W8SP	443.875	+		
FLATWOODS	N8ZVK	444.200	+		
GASSAWAY	K8WGB	444.675	+	T123.0	
GILBERT	KB8PCW	442.725	+	PROP	
GLENVILLE	KA8ZXP	444.325	+		
HERNSHAW	WB8CQV	444.700	+	PROP	
HUNTINGTON	WA4GSS	421.250	+		
HUNTINGTON	WB8EZR	443.000	+		☺
HUNTINGTON	KB8TGK	443.850	+	T88.5	
HUNTINGTON/CHAS	WB8ZER	444.850	+	T131.8	☺
HURRICANE	K8OJC	444.075	+		
KEYSER	N8RCG	444.125	+	103.5	☺
LEWISBURG	KF8FO	444.725	+	T103.5	
LOGAN	KE4QOX	444.900	+	T107.2	☺
MORGANTOWN	K8LG	444.700	+		
MORGANTOWN	W8CUL	444.800	+		☺
MULLENS	KC8IT	444.000	+		☺
OAK HILL	KA8OTX	443.800	+		☺
PARKERSBURG (OH)	N8ILO	444.100	+		
PENNSBORO	WB8NSL	442.850	+	T103.5	
PRINCETON	KB8UJG	443.700	+	T123.0	
RICHWOOD	KB8YDD	443.475	+		
RICHWOOD	KC8AUY	443.575	+	T	☺
SHIRLEY	KB8TJH	444.425	+	T	
SO. CHARLESTON	WB8CQV	444.950	+	203.5	
ST. ALBANS	K8MHR	443.150	+		☺
WELCH	N8SNY	443.725	+		☺
WESTON	N8FIP	443.975	+		
WESTON	WC8K	444.600	+		
WHEELING	KB8QHO	421.250	+		
WHEELING	KA8YEZ	443.025	+	77.0HZ	☺
WHEELING	N8EKT	444.975	+		

Limited FULL MEMBERS FROM NON-SERA STATES

10 METERS

CHESTER, PA	W3PS	29.520	+	T156.7	☺

6 METERS

CONCORD, NH	KA1OKQ	53.590	-	71.9	☺

2 METERS

CONCORD, NH	KA1OKQ	147.225	+	T100.0	☺
DELAND, FL	K4DWF	147.045	+	T103.5	☺
OCEAN CITY, NJ	W3PS	147.285	+	T146.2	☺
PHILADELPHIA, PA	W3PS	147.315	+	TT156.7	☺
VINELAND, NJ	AA2LD	147.135	+	T156.7	☺

220 MHZ

OCEAN CITY, NJ	W3PS	223.980	-	T156.7	☺
CHESTER, PA	W3PS	224.960	-	T156.7	☺
CONCORD, NH	KA1OKQ	224.800	-	T103.5	☺
EAGLEVILLE, PA	W3PS	224.680	-	T156.7	☺
MILLVILLE, NJ	AA2LD	223.960	-	T156.7	☺
QUAKERTOWN, PA	W3PS	224.400	-		☺

440 MHZ

CHESTER, PA	W3PS	443.050	+	T156.7	☺
CONCORD, NH	KA1OKQ	448.775	-	T82.5	☺
LINWOOD, PA	W3PS	443.000	+	156.7	☺
MCKINNEY, TX	KF5TU	442.350	+	T100.0	☺
PEMBROKE, NH	KA1OKQ	444.150	+		☺
PETERBORO, NH	KA1OKQ	443.350	+	T110.9	☺

1270 MHZ

CHESTER, PA	W3PS	1240.000	+		☺

It's All Free!

Did you know that SERA assistance in coordination, technical help, or interference information is FREE. We do not charge for any of our services. Our operating expenses are derived solely from voluntary membership of Repeater Owners and users.

In 2002, SERA enters it's 31st year of successful operation and service in the SouthEastern 8-states.

Our volunteers are here for you. If you have any questions about SERA, don't hesitate to call or ask. It's that Simple!

help@sera.org
(888) 593-5527 (toll free)
Learn more at:
www.sera.org

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "Closed" repeater. Generally, in most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

SERA REPEATER INDEX LISTINGS BY FREQUENCY

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

6 METERS

52.5500 / 51.5500
WB4JEH #CONYERS .....151.4 GA
51.2000 / 51.7000
WA4YNZ #CUMMING ..... GA
51.4400 / 51.9400
KC5BMJ KINGSLAND .....82.5 GA
53.0250 / 52.0250
WB4LBR LOUISVILLE ..... KY
52.5250 / 52.5250
WW4DC THOMASVILLE .....88.5 NC
52.0100 / 53.0100
WA4YNZ #ROSWELL ..... GA
KC4QK ASHLAND .....107.2 KY
N5EKR ELLISVILLE ..... MS
K4GRW NEWPORT ..... NC
KE4QOX THOMASVILLE .....88.5 NC
WM4T GRAY/HOLSTON MT ..... TN
WA4KOG MEMPHIS ..... TN
WA4BGK NASHVILLE .....114.8 TN
KI4ZR LEXNGTN/ROCK MT..... VA
52.0300 / 53.0300
W4WTA AUGUSTA ..... GA
N1BEC BALD CREEK ..... NC
K4ITL RALEIGH ..... NC
KF4FTD MORRISTOWN ..... TN
52.0500 / 53.0500
KC4JNN BISKEY MT. .....100.0 GA
AB5MU NETTLETON .....192.8 MS
WA4PXV AIR BELLOWS GAP ..... NC
N4JEH ROCKY MOUNT ..... NC
WA4BGK GALLATIN .....114.8 TN
52.0700 / 53.0700
WB4AEG CARTERSVILLE .....123.0 GA
KB4PTJ WILLIAMSBURG .....100.0 KY
KD4FWS MT.AIRY/FANCY GP.....100.0 NC
WB4IUY ZEBULON .....88.5 NC
KB4MIC GUM SPRING .....203.5 VA
52.0900 / 53.0900
KD4DKW ATL/MARIETTA .....118.8 GA
KF4IXW REELSBORO .....162.2 NC
K4NOC BISHOPVILLE ..... SC
NO4Q WAVERLY ..... TN
WB8BON ROANOKE/POOR MT ..... VA
52.1100 / 53.1100
W4GR LAWRENCEVILLE .....82.5 GA
N4XTF GASTONIA/CRDR MT ..... NC
KD4BGD LUMBERTON ..... NC
WD4GYN OAK RIDGE ..... TN
KB4YKV AMELIA COURTHSE ..... VA
N8CQQ FLATWOODS ..... WV
52.1300 / 53.1300
N4BZJ DALTON ..... GA
N4EQT LAWRENCEBURG 107.2 KY
W4FOT HENDERSONVILLE 100.0 NC
W4HFH ALEXANDRIA .....VA
WB4GJG DANVILLE(DCC) ..... VA
52.1500 / 53.1500
KA5WZY ATLANTA ..... GA
WB4IOB KNXVL/ENG MT ..... TN
N8ITF SPRINGFIELD .....107.2 TN
N4CH BEDFRD/THAX MT ..... VA
52.1700 / 53.1700
WW4DC THOMASVILLE .....88.5 NC
KB4BGW LAFOLLETTE ..... TN
KE4SFU RICE ..... VA
N8FWL BECKLEY .....123.0 WV
52.1900 / 53.1900
W4BAD RALEIGH ..... NC
KN4AS LITTLE MOUNTAIN .....156.7 SC
WA4UCE COOKEVILLE ..... TN
WV8BD ALDERSON ..... WV
52.2100 / 53.2100
N1KDO MARIETTA .....79.7 GA
N4QLX SAURATOWN MT ..... NC
AD4U ORANGEBURG ..... SC
N4WWB GATE CITY ..... VA
K8WGB GASSAWAY .....123.0 WV
52.2300 / 53.2300
KD4UFN PITTSBORO .....107.2 NC
KA4ZKL GUTHRIE (TN/KY) ..... TN
KQ4E MORRISTOWN ..... TN
52.2500 / 53.2500
KF4BMG MARIETTA .....79.7 GA
WA4YON #KNOXVILLE ..... TN
KT4QW NEWPORT NEWS ..... VA
N4CH ROANOKE ..... VA
52.2700 / 53.2700
KC4CBQ HIAWASSEE .....186.2 GA
KA4UHL NANCY .....100.0 KY
N4DRL BYHALIA ..... MS
WD4BQW ASHEVILLE ..... NC
KC4GYM GILBERT .....162.2 SC
WD4KZK ROCKY MT/FERRUM .....107.2 VA
52.2900 / 53.2900
K4PLM #PINE LOG MT. .....198.2 GA
KF4UAQ LOUISVILLE ..... KY
KF4SXO CHESTER ..... SC
WA4CQK FANCY GAP .....100.0 VA
52.3100 / 53.3100
K4SER WILLIAMSTON ..... NC
KD4SQB ROAN MTN ..... TN
KB8TJH SHIRLEY ..... WV
52.3300 / 53.3300
KD4FVI CRAWFORD .....88.5 GA
AD4CC HIGHLAND HEIGHTS .....123.0 KY
W4TLP CLINTON ..... NC
AB4JJ W. JEFFERSON .....100.0 NC
KC8CSE SNOWSHOE ..... WV
52.3500 / 53.3500
WR4AMS DORTON ..... KY
WR4BEG SOPHIA/RANDLEMAN ..... NC
K4VCM CHATTANOOGA ..... TN
NU5O MCNAIRY .....107.2 TN
52.3700 / 53.3700
KA4UFM DECATUR ..... GA
KF4XH #MACON ..... GA
KE4RKF WAYNESBURG .....100.0 KY
KC4YOZ #RANLO .....107.2 NC
WB3IIC AMELIA ..... VA
52.4100 / 53.4100
WA1YYN EFLAND .....107.2 NC
KO4MZ GVL/CSR'S HEAD .....131.8 SC
52.4300 / 53.4300
KR4OL BOLINGBROKE ..... GA
WA4DBY LOUISVILLE .....151.4 KY
AD4DN WILMINGTON .....88.5 NC
K4GX KINGSPORT ..... TN
KD4SUU CHESTERFIELD ..... VA
KG4KUA VESTA .....107.2 VA
N4GBQ VESTA .....107.2 VA
52.4500 / 53.4500
KD4APP #PINE LOG MTN ..... GA
KC5PIA LAUREL ..... MS
W4UNC CHAPEL HILL .....107.2 NC
NQ4Y MONTEAGLE MTN .....114.8 TN
K8GP BULLRUN ..... VA
52.4700 / 53.4700
N4OOC ASHEVILLE ..... NC
KE4JYN PEARISBURG .....107.2 VA
52.5500 / 53.5500
WB4JEH CONYERS .....151.4 GA
N4OQJ KNOXVILLE .....100.0 TN
K4RDK MEMPHIS ..... TN
52.5700 / 53.5700
KD4AOZ WATKINSVILLE .....123.0 GA
KE4LGL LEXINGTON ..... KY
KE4KEH LYNCHBURG .....103.5 VA
52.5900 / 53.5900
KF4QDS KVILLE/HIPOINT .....103.5 NC
KF4IWA MOUNTAIN REST ..... SC
WB8YST BECKLEY .....107.2 WV
52.6300 / 53.6300
AB4JJ MT MITCHELL .....100.0 NC
WB8YST CHARLESTON .....107.2 WV
52.6500 / 53.6500
KC4SBJ ROCKY MOUNT ..... NC
KB4YFV WHITE TOP MTN ..... VA
52.6700 / 53.6700
WA4WRS BARIUM SPRINGS ..... NC
51.2000 / 53.7100
KE4OVN DRESDEN .....107.2 TN
52.7100 / 53.7100
WB8YST RICHWOOD .....107.2 WV
51.2200 / 53.7300
K4YC IVEY/MACON .....88.5 GA
52.7300 / 53.7300
K4XYZ BUCKHORN LAKE .....100.0 KY
52.7500 / 53.7500
W4YWH HIGHLAND HEIGHTS ..... KY
W4BAD DURHAM ..... NC
K4GX #ROGERSVILLE .....114.8 TN
N8PEI MARMT/CHARLSTN .....141.3 WV
52.7700 / 53.7700
W4GL SUMTER ..... SC
W4BBB KNOXVILLE .....1000. TN
52.7900 / 53.7900
WR4MG WARNER ROBINS ..... GA
WA4NC BOONE .....100.0 NC
52.8100 / 53.8100
WD4KNE #STANTON ..... KY
W4EBM #FAYETTEVILLE ..... NC
52.8500 / 53.8500
K4TDO HAZARD ..... KY
52.8700 / 53.8700
KC8PFI CEREDO ..... WV
52.8900 / 53.8900
KB0Y LAKE PARK .....141.3 GA
WB4HJG LULA .....82.5 GA
WA4OHX HAMPTON ..... VA
52.9100 / 53.9100
KE4ZJT LONDON .....100.0 KY
52.9300 / 53.9300
W4GMM MEMPHIS .....107.2 TN
KC8LRN LEWISBURG ..... WV
52.9500 / 53.9500
WB4WSB LAGRANGE ..... KY
52.9700 / 53.9700
KD4FWS MT. AIRY .....100.0 NC
52.5250 / 145.2100
N4ARK NASHVILLE ..... TN

2 METERS

144.6100 / 52.5250
N4ARK NASHVILLE ..... TN
144.5100 / 145.1100
KK4HL AUGUSTA ..... GA
N4MXC COCHRAN .....107.2 GA
KR4HV DOUGLASVILLE .....88.5 GA
KC4UPE LEESBURG .....192.8 KY
K5HYE MENDENHALL .....100.0 MS
W5WA PASCAGOULA .....123.0 MS
W4PCN KILL DEVIL HILLS .....131.8 NC
N4GSM ROBBINSVILLE .....151.4 NC
KD4MYE YOUNGSVILLE .....88.5 NC
WZ4SC FORT MILL ..... SC
W4GS MYR BCH/CONWAY ..... SC
NQ4Y COOKEVILLE ..... TN
WM4T GRAY ..... TN
N4ARK NASHVL/FAIRVIEW .....151.4 TN
KF4OID SOMERVILLE .....107.2 TN
WA4CQK #FANCY GAP .....100.0 VA
K4YPE RICHMOND ..... VA
N8RV FROST .....107.2 WV
K8SA SALT ROCK .....110.9 WV
144.5300 / 145.1300
K4SEX NEWNAN ..... GA
WR4SG VALDOSTA .....141.3 GA
N4UL LOUISVILLE AREA .....151.4 KY
KJ4VF MOREHEAD .....100.0 KY
WB4YNF AHOSKIE ..... NC
W4RNC RALEIGH .....88.5 NC
W4AJK GREENWOOD .....123.0 SC
K4JR SUMTER ..... SC
K4CMY CHATTANOOGA ..... TN
KA4OAK LAFOLLETTE ..... TN
KF4ATY MEMPHIS .....107.2 TN
KC4WPS NASHVILLE .....114.8 TN
KC4WPS NASHVILLE .....114.8 TN
N4VL GALAX/LKOUT MT .....103.5 VA
N8OYY GLENVILLE ..... WV
144.55 0 / 145.1500
K8VE PHILIPPI .....103.5 WV
144.5500 / 145.1500
W4AQL ATLANTA .....167.9 GA
K4YC IVEY/MACON .....77.0 GA
KY4JW MONTICELLO ..... KY
AD4BI PIKEVILLE .....107.2 KY
K5LFP #PICAYUNE ..... MS
K2IMO ELM CITY .....88.5 NC
W4GSO GREENSBORO ..... NC
K4OBX HATTERAS ISLAND .....131.8 NC
W4NHV #LUMBERTON ..... NC
K4HIS INMAN ..... SC
N4LWY SUMMERTON ..... SC
KG4FZR ATHENS .....141.3 TN
W4XS FRANKLIN ..... TN
K0JXI MEMPHIS ..... TN
K4ARO GREENBAY ..... VA
KA4IXK RADFORD/RINER ..... VA
144.5700 / 145.1700
WA4DIW JONESBORO ..... GA
W8PRH HALLS GAP ..... KY
N5DWU PETAL .....136.5 MS
K4CCR ANDSN MT/DENVER .....88.5 NC
N4CTJ LELAND ..... NC
N4NCK OXFORD ..... NC
KY4S AIKEN ..... SC
K4NOC BISHOPVILLE .....123.0 SC
WF4Q BRUCETON .....107.2 TN
WB4GBI KNOXVILLE ..... TN
WB4LHO MURFREESBORO ..... TN
WA4ZUA NORFOLK .....136.5 VA
WV8S BECKLEY/BOLT MT .....100.0 WV
144.5900 / 145.1900
WA4EQL JESUP ..... GA
WB4ULJ PINE MT/HAMILTON ..... GA
KB4SQI SALYERSVILLE .....127.3 KY
K5YD BOONEVILLE .....110.9 MS
W5CJR HATTIESBURG .....136.5 MS
KA4SQN JACKSONVILLE ..... NC
WA4BVW MT MITCHELL ..... NC
K4GWH RALEIGH .....156.7 NC
N4OTT CARTHAGE ..... TN
KD4XV JASPER .....127.3 TN
WB3R AMELIA ..... VA
WB8YJJ RICHWOOD ..... WV
KA8YEZ WHEELING ..... WV
144.6100 / 145.2100
KC4RRO EASTMAN ..... GA
WA4EPK FAYETTEVILLE .....131.8 GA
W8PRH LEXINGTN/GRGTWN ..... KY
KB5IKR MENDENHALL .....100.0 MS
K4OLC HIGH PEAK MTN .....94.8 NC
WB4TQD TRENTON ..... NC
NS4SC LEXINGTON ..... SC
W2GLJ GERMANTOWN ..... TN
W4BBB KNOXVILLE/RACK .....100.0 TN
N4ARK NASHVILLE ..... TN
K4QZJ HIGHKNOBMTN ..... VA
N2EDE ROANOKE .....107.2 VA
WB8FEQ HUNTINGTON ..... WV
144.6300 / 145.2300
WB4JEH CONYERS .....151.4 GA
WR4SG CORDELE .....141.3 GA
W4DRC DALTON ..... GA
K4BR WAYNESBORO ..... GA
W8PRH LOUISVILLE ..... KY
KG4GQC WEST LIBERTY .....107.2 KY
KC5VZI #NEW ALBANY ..... MS
N4VBH BEULAVILLE ..... NC
W4UNC CHAPEL HILL .....107.2 NC
W4BFB CHARLOTTE ..... NC
KG4AQH GREELEYVILLE ..... SC
W4CAT LAVERNE ..... TN
KB4KIE MAYNARDVILLE ..... TN
KE4NTL RIPLEY .....100.0 TN
N4CH BEDFORD ..... VA
W4MT NEWPORT NEWS .....100.0 VA
N8FWL BECKLY/OAK HILL .....100.0 WV
WJ8G ELKINS .....103.5 WV
144.6500 / 145.2500
N4YYD CHATSWORTH .....71.9 GA
K4YC IVEY ..... GA
AD4YJ LEXINGTON .....110.9 KY
W4GG GREENSBORO .....88.5 NC
WA4USN CHARLESTON .....123.0 SC
K4USC UNION ..... SC
KT4WS CARLISLE ..... TN
N4WXS ERWIN/PINNACLE ..... TN
KD8XK BLUEFIELD .....100.0 VA
KQ4RH MONTPELIER ..... VA
144.6700 / 145.2700
KT4X SANDERSVILLE .....77.0 GA
K4PLM WALESKA/PNLG MT .....103.5 GA
N4KJU PAINTSVILLE ..... KY
KD4BOH ROCKPORT .....77.0 KY
N5NBG WALLS .....162.2 MS
KB5DZJ WIGGINS .....136.5 MS
K4ROK FARMVILLE .....131.8 NC
WA4KNI HENDSVL/BERWLW ..... NC
KM4AR MIDWAY .....77.0 NC
KC4GYM COLUMBIA .....127.3 SC
WB4WZK HENDERSONVILLE ..... TN
KD4CLA PIGEON FORGE .....100.0 TN
N8FMD BIRCH RIVER .....103.5 WV
144.6900 / 145.2900
W4IBM ATLANTA ..... GA
W4DV AUGUSTA .....100.0 GA
WR4MG PERRY .....107.2 GA
AC2DC LOUISVILLE .....151.4 KY
N4VOS STANTON ..... KY
WJ5L VICKSBURG ..... MS
W4BFB CHARLOTTE ..... NC
WN3X COINJOCK .....131.8 NC
NC4AR HIGH POINT .....88.5 NC
KF4NOV ROCKY MOUNT .....107.2 NC
W4GS MYRTLE BEACH .....85.4 SC
KU4ZS PUMPKINTOWN .....123.0 SC
W4AM CHATTANOOGA .....118.8 TN
KF4ZQA ELIZTON/HOLS MT ..... TN
K4DXC RIDGETOP .....114.8 TN
WF4Q SHILOH .....107.2 TN
N4UTN RUSTBURG ..... VA
WB8WV GLENVILLE ..... WV
144.7100 / 145.3100
KA4CEK COLUMBUS ..... GA
KB4JF NASHVILLE .....141.3 GA
WA4JDR STOCKBRIDGE ..... GA
KC4KZT DAVID ..... KY
WB5GOJ CHATAWA ..... MS
KC4WPM BAKERSVILLE ..... NC
N4LEX LEXINGTON .....88.5 NC
N4WFU #ROANOKE RAPIDS .....131.8 NC
K4ITL ROSEBORO ..... NC
W4IAR BEAUFORT ..... SC
W4CHR CHESTER ..... SC
WA4PNI ATHENS .....141.3 TN
KF4SC JACKSON ..... TN
KC4ECD LAFAYETTE .....151.4 TN
KD4KWP CHESTERFIELD .....127.3 VA
N8FCJ BECKLEY/LAYLAND .....100.0 WV
KB8TJH SHIRLEY ..... WV
144.7300 / 145.3300
KF4ODQ EASTMAN .....77.0 GA
WA4DGE JONESBORO ..... GA
N4XGI ST SIMONS ISLAND .....131.8 GA
KF4INN VERSAILLES ..... KY
K5DMC KILN ..... MS
KI4RK GOLDSBORO .....100.0 NC
N4VRD MOUNT AIRY .....100.0 NC
KF4JVI TRYON ..... NC
WA4DFP BAMBERG ..... SC
WT4E COLLIERVILLE .....107.2 TN
WD4DBJ CUMBERLAND CITY ..... TN
WA4TEM KNOXVILLE ..... TN
KE4ZBH FARMVILLE ..... VA
W4VB NORFOLK ..... VA
WR8M WILLIAMSON ..... WV
144.7500 / 145.3500
W4DOC ATLANTA .....146.2 GA
W4GTA LOOKOUT MTN .....100.0 GA
KD4MFS OCILLA ..... GA
AI4HB RADCLIFF .....173.8 KY
KD4DAX WILLIAMSBURG ..... KY
N4DRL BYHALIA ..... MS
N5ZMZ UTICA ..... MS
WA4AOS CHARLOTTE ..... NC
WD4JPQ GREENVILLE .....131.8 NC
KE4OVN DRESDEN .....107.2 TN
WD4JYD NOLENSVILLE .....114.8 TN
N4AZJ BLAND .....103.5 VA
KF4LWH SOUTH BOSTON ..... VA
W8GK CHARLESTON .....91.5 WV
W8SP FAIRMONT .....103.5 WV
144.7700 / 145.3700
AA4UA AUGUSTA ..... GA
KB4IZF JASPER .....100.0 GA
W4BKM MACON ..... GA
KE4YVD RICHMOND .....192.8 KY
K5UX HATTIESBURG .....136.5 MS
N5PYQ SOUTHAVEN .....107.2 MS
N4NCK BUTNER ..... NC
W4HF N. WILKESBORO ..... NC
K4PPD SHALLOTTE ..... NC
KB4KIE KNOXVILLE ..... TN
WR3SL NASHVILLE ..... TN
W4HZL GLOUCESTER ..... VA
KC4RBA LYNCHBURG .....186.2 VA
WV8BD BECKLEY/EOC ..... WV
K8VNQ PARSONS .....118.8 WV
144.7900 / 145.3900
K4HYB GRIFFIN .....88.5 GA
WF4N #CENTRAL CITY ..... KY
N4EQT LAWRENCEBURG .....107.2 KY
KC8FKP SO. PORTSMOUTH .....136.5 KY
KB5KGE JACKSON ..... MS

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

N4ZVN MONROE/UCARS .....94.8 NC
WB4TQD RALEIGH .....82.5 NC
W4AM CHATTANOOGA ..... TN
W4WC GREENEVILLE ..... TN
WB4DOR LEBANON ..... TN
K4ARO ROANOKE/POOR MT .....107.2 VA
KF9HL #LENORE ..... WV
WD8EOM WESTON ..... WV

144.8100 / 145.4100
W4PME ATLANTA/BELL .....100.0 GA
K4KNS AUGUSTA ..... GA
WA4MXO JACKSON ..... KY
KK4CZ LOUISVILLE .....127.3 KY
KC5IF D'IBERVILLE ..... MS
N4XO CHINA GROVE .....136.5 NC
K4SER WILLIAMSTON .....131.8 NC
N4VIH DOVER ..... TN
WB4NKM GRNVL/VIKING MT .....173.8 TN
K5FE MEMPHIS .....107.2 TN
NQ4Y MONTEAGLE MTN .....114.8 TN
KF4ADM WILLIAMSBURG .....127.3 VA
N8FHE BUCKHANNON ..... WV
WV8AR RED HOUSE .....123.0 WV
W8IFL UNION ..... WV

144.8300 / 145.4300
K4LCI ATLANTA ..... GA
KA4EIM JESUP ..... GA
AA4RI MACON ..... GA
KX5E GLOSTER .....136.5 MS
KU4W RAEFORD .....100.0 NC
K4QFQ SPARTA/GREEN MT ..... NC
KB4YTU BROWNSVILLE ..... TN
WF4Q BUCKSNORT .....107.2 TN
WA4UCE COOKEVILLE ..... TN
WB4YLC KNOXVILLE ..... TN
AD4OV COEBURN .....103.5 VA
W4SQT RICHMOND ..... VA
WB8YST CHARLESTON .....107.2 WV
K8LG MORGANTOWN ..... WV

144.8500 / 145.4500
W4BOC DECATUR ..... GA
KG4FEJ ROCKFIELD .....136.5 KY
WX5P FULTON ..... MS
N5ZQC SHARON .....100.0 MS
WD4PLY CRDR MT/GASTONIA..... NC
WR4AGC DURHAM ..... NC
K4GRW NEWPORT ..... NC
WD4EOG CLEMSON UNIV ..... SC
W4ZKM JACKSON .....123.0 SC
N7GZT MT. PLEASANT ..... SC
K4SIR BENTON ..... TN
WA4KOG MEMPHIS ..... TN
KQ4E MORRISTOWN ..... TN
KF4GHD #MT PLEASANT .....127.3 TN
AA4HQ SALUDA ..... VA
KD4KAU STAUNTON .....131.8 VA
N8LGY GRANTSVILLE .....103.5 WV
WB8SXZ WELCH ..... WV

144.8700 / 145.4700
KD4HMH BONAIRE ..... GA
KF4UM RICEBORO ..... GA
N4CLA SWEAT MT/MARIETT ..... GA
WB4GGH BARDSTWN/NELSN .....151.4 KY
KF4ZTB HUEYSVILLE .....79.7 KY
KF4BRQ MAYSVILLE .....107.2 KY
KF4SCT OXFORD .....107.2 MS
W4OIX KINSTON ..... NC
W4NC SAURATOWN MT .....100 NC
KN4RG GAFFNEY .....141.3 SC
KI4CB MYR BCH/CONWAY .....179.9 SC
WB4GBI KNOXVILLE ..... TN
KF4RBR MOUNTAIN CITY .....103.5 TN
N4ARK NASHVILLE ..... TN
N4ZCM SOUTH HILL ..... VA
W8FG SUMMERSVILLE .....100.0 WV

144.8900 / 145.4900
W4DV AUGUSTA ..... GA
KA4WUJ CORDELE .....103.5 GA
W4LMA MARIETTA .....88.5 GA
W4KVK HENDERSON ..... KY
WB4CWF LEXINGTON ..... KY
N5VGK TUPELO ..... MS
NT4K FRANKLIN ..... NC
WB4IKY GIBSONVILLE .....107.2 NC
WA4BWC RALEIGH .....88.5 NC
W4APE CHERAW ..... SC
WA4KOG BRADEN ..... TN
WB4LHO MCMINVL/SHT MT ..... TN
K4CQ AMHERST .....136.5 VA
W8MOP BLUEFIELD ..... VA
WA4OHX HAMPTON ..... VA
WV8G PARKERSBURG ..... WV

146.0100 / 146.6100
W4CVY COLUMBUS ..... GA
WB4JEH CONYERS .....151.4 GA
WD4KWV CORBIN ..... KY
KC4FRA MADISONVILLE ..... KY
KC5QZW LAUREL ..... MS
W4EWN NEW BERN .....100.0 NC
WB4TOP RALEIGH .....131.8 NC
KC4WIF ELLOREE .....118.8 SC
W4NYK GRNVLE/CSRS HD ..... SC
W4AM CHATTANOOGA ..... TN
WA4PCD NASHVILLE ..... TN
K4JP ABINGDN/BRMLY MT ..... VA
WA4YSE CHESAPEAKE ..... VA
W4WWQ LYNCHBURG .....136.5 VA
WB8MZI GASSAWAY ..... WV

146.0250 / 146.6250
WA4UPE ATL/UNION CITY .....100.0 GA
N4UJT ELBERTON ..... GA
K4HAO VIDALIA ..... GA
WA4GOZ BOWLING GREEN .....103.5 KY

K4ULW WEBSTER .....151.4 KY
KC5ULN COLUMBUS ..... MS
KE5WO PORT GIBSON ..... MS
N4WET BANEVELK/SUGAR ..... NC
K4USB BUXTON .....131.8 NC
KI4RR LAURINBURG ..... NC
KF4SXO CHESTER ..... SC
KF4TNP CORNERSVILLE .....107.2 TN
WB4GBI KNOXVILLE .....100.0 TN
N4ABU MARTIN ..... TN
K4SVA JARRATT I-95 ..... VA
WV8B FLAT TOP/WINTRPL .....100.0 WV

146.0400 / 146.6400
WB4QGR #ATLANTA ..... GA
W4FWD CARROLLTON .....131.8 GA
AE4PO WAYCROSS .....141.3 GA
WA4UXJ CANE VALLEY ..... KY
K5XU MADISON ..... MS
WB5NAY MOORE VILLE ..... MS
WB4YAO HENDERSONVILLE .....100.0 NC
W4DW RALEIGH .....88.5 NC
W4NC WINSTON-SALEM .....100 NC
W4GL SUMTER ..... SC
KA4QYI HARRIMAN .....100.0 TN
WB4KQQ MEMPHIS ..... TN
AF4TZ NASHVILLE W .....114.8 TN
W4WIC FINCASTLE ..... VA
W4QLF MARION .....103.5 VA
WB4QEY RICHMOND ..... VA
WB8EZR HUNTINGTON/CHAS ..... WV

146.0550 / 146.6550
N4NFP ATLANTA/MARIETTA .....118.8 GA
W4WSM BOWLING GREEN-SO..... KY
WD4DZC DANVILLE ..... KY
K4CUW PADUCAH ..... KY
KC5ZZH MERIDIAN ..... MS
KA4CEB #CONCORD/KANNAP..... NC
WA4VTX ELIZABETH CITY .....131.8 NC
KD4KQJ BEAUFORT ..... SC
KD4AOK BROWNSVILLE ..... TN
W4RDM LAWRENCEBURG ..... TN
W4OLB MARYVILLE/ALCOA ..... TN
WA4ISI ALTAVISTA ..... VA
N8ZPX FLATWOODS .....123.0 WV
N8SNW IAEGER .....203.5 WV

146.0700 / 146.6700
W4ABP GAINESVILLE .....131.8 GA
KF4SJO HAZARD ..... KY
W4KBL PRINCETON ..... KY
W5UBO NEW ALBANY ..... MS
KB5ZCX PURVIS ..... MS
K4FHB BURLINGTON ..... NC
WA4BKU FOREST CITY ..... NC
AD4DN WILMINGTON .....88.5 NC
AD4U ST. MATTHEWS .....156.7 SC
W4UD BRISTOL ..... TN
K4BGW LAFOLLETTE ..... TN
AF4TZ NASHVILLE W .....114.8 TN
W4CBM DUBLIN ..... VA
KD4DDI PAGECO ..... VA
K4RC WILLIAMSBURG ..... VA
WD8JNU RAVENSWOOD ..... WV

146.0850 / 146.6850
WD4IWL ADAIRSVILLE ..... GA
K4KZY FAYETTEVILLE ..... GA
KF4NTQ GEORGETOWN .....107.2 KY
N4WJS OWENSBORO .....110.9 KY
W5KHB NATCHEZ ..... MS
W4NBR GRIFTON .....88.5 NC
KE4WSX STATESVILLE ..... NC
K4USC UNION ..... SC
KF4ARH WALLAND .....88.5 TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
N9FMD CLARKSBURG .....103.5 WV
WB8NAM DANVILLE ..... WV

146.1000 / 146.7000
W4MM #ALBANY ..... GA
K4UFO JASPER ..... GA
KD4BWK LAGRANGE .....141.3 GA
WB4DOJ MILLEDGEVILLE .....67.0 GA
K4NLX SAVANNAH ..... GA
KY4KY BROOKS .....151.4 KY
KD4DZE GRAYSON .....107.2 KY
WB4FUR BAY ST. LOUIS ..... MS
W5LIJ GRENADA ..... MS
W5FQ MERIDIAN ..... MS
KD4GLB CROSSNORE .....167.9 NC
N4CID DUNN ..... NC
W4PAX LANCASTER ..... SC
WR4PKZ PICKENS .....107.2 SC
KF4BVQ ANDERSON CTY .....100.0 TN
W4UOT MANCHESTER .....114.8 TN
WB4MMI RAMER .....107.2 TN
WA4YGM UNION CITY ..... TN
K4AU DANVILE/WHT OAK .....107.2 VA
KF8PT NORFOLK ..... VA
KD4WWF STAUNTON .....131.8 VA
KC8AFH BECKLEY .....123.0 WV

146.1100 / 146.7100
KF4FO HOPKINSVILLE ..... KY

146.1150 / 146.7150
K4NVG LAVONIA .....100.0 GA
W4ABZ RINGGOLD .....67.0 GA
KF4OFT BEREA .....100.0 KY
KA5TQY GREENWOOD ..... MS
KD4JFN HAW RIVER .....107.2 NC
N4GGN MILLERS CREEK ..... NC
WB4NEP COLUMBIA ..... SC
KB4JUB SALTILLO ..... TN
W9KIC BLACKSBURG ..... VA
W4TTL WALKERTON ..... VA

146.1300 / 146.7300
W4MM ALBANY ..... GA

KD4NC ATLANTA/SWEAT MT..... GA
K4TVE BRUNSWICK ..... GA
WR4DH MACON .....100.0 GA
AC4AD LEXINGTON ..... KY
AA4NI #NEBO ..... KY
KC5IF BILOXI ..... MS
KD5GVU STARKVILLE .....210.7 MS
W4BWC RALEIGH .....88.5 NC
W4EXU SALISBURY .....94.8 NC
W4VNK WILMINGTON ..... NC
K4NAB N. AUGUSTA ..... SC
WA4UKX SIMPSONVILLE .....100.0 SC
WB4IOB KNXVL/ENG MT ..... TN
KE4LFZ MEMPHIS .....107.2 TN
KD4EHL WATERTOWN .....100.0 TN
W4QR HAMPTON ..... VA
WB8SPW LEWISBURG .....100.0 WV

146.1450 / 146.7450
KD4QHB ATHENS ..... GA
K4WOC CALHOUN .....100.0 GA
WA4TTC GREENVILLE ..... KY
KD4RTR MILLARD .....141.3 KY
KC5VZI #NEW ALBANY ..... MS
KC4QPR MORGANTON .....94.8 NC
NN4N DILLON/PEE DEE ..... SC
WB4RCK DYERSBURG ..... TN
KC4WHL HARRIMAN ..... TN
K4ROA ROANOKE/POOR MT .....107.2 VA

146.1600 / 146.7600
KS4QA LOOKOUT MT. .....67.0 GA
W4BOC STONE MT .....107.2 GA
WR4MG UNADILLA .....107.2 GA
KF4BJM VALDOSTA .....141.3 GA
K4KJQ LEXINGTON ..... KY
K4CUW PADUCAH ..... KY
W5AXQ JACKSON ..... MS
WA4BVW ASHVL/MT PISGAH ..... NC
W4GWH GREENSBORO .....88.5 NC
KB2XI SWANSBORO ..... NC
WB4THL WILSON .....131.8 NC
K4ESG MT PLEASANT ..... SC
K4JP BRSTL/HOLSTN MT ..... TN
WA4PCD NASHVILLE .....114.8 TN
WA4TFZ CHARLOTTESVILLE .....88.5 VA
KB4ZIN WILLIAMSBURG ..... VA
W8VA HUNTINGTON ..... WV
N4RAG LEWISBURG .....131.8 WV
W8CUL MORGANTOWN ..... WV
W8ZQ WHEELING ..... WV

146.1750 / 146.7750
W4NEQ MARIETTA .....118.8 GA
KB4NA WRENS ..... GA
W4PPM MIDDLESBORO ..... KY
KJ4OG TOMPKINSVILLE ..... KY
AE4SK VANCEBURG ..... KY
W5CJR HATTIESBURG .....136.5 MS
NC4SU RALEIGH .....88.5 NC
W4ZU SOUTHPORT .....100.0 NC
KF4GHC FORT JACKSON .....156.7 SC
WF4Q FRUITLAND .....107.2 TN
W4JVO PULASKI/MUSIC MT ..... TN
AG4AN FOREST .....131.8 VA
WB3T WYTHEVILLE .....107.2 VA
KB8BWZ ELKINS ..... WV

146.1900 / 146.7900
KD4GEY FOLKSTON ..... GA
WD4KOW MOULTRIE ..... GA
K4SEX #NEWNAN ..... GA
K4VYX SWAINSBORO ..... GA
W4YWH HIGHLAND HEIGHTS ..... KY
KA4UHL NANCY .....100.0 KY
K5TYP BILOXI ..... MS
W4TLP CLINTON ..... NC
KG4OSL SAURATOWN MT .....107.2 NC
N4AW ANDERSON/SAS MT ..... SC
WA4USN CHARLESTON ..... SC
W4AM CHATTANOOGA ..... TN
W4ABR JOHNSON CITY ..... TN
W4KIB MEMPHIS .....107.2 TN
W4SQE NASHVILLE ..... TN
N4SD CHESAPEAKE ..... VA
NM8T OAK HILL ..... WV

146.2050 / 146.8050
K4PDQ MACON .....77.0 GA
KA4NNE ELKTON .....151.4 KY
W8PRH HAZARD ..... KY
KF5C STARKVILLE .....192.8 MS
K5IMT #VICKSBURG ..... MS
N4EWG FAYETTEVILLE ..... NC
K4GNC GASTONIA/CRWDR ..... NC
W4DCG ROCKY MOUNT .....118.8 NC
KF4ATU ORANGEBURG .....156.7 SC
W4EYJ CROSSVILLE ..... TN
WB4VXX #LEWISBURG ..... TN
WB4MMI SELMER .....107.2 TN
WA4HTI COVINGTON ..... VA
W4TTL MECHANICSVILLE ..... VA

147.4050 / 146.8050
KC4AQS JASPER .....100.0 GA
W4DJB CANTON ..... NC
KD4TC #HONAKER ..... VA

146.2200 / 146.8200
W4MM ALBANY ..... GA
W4DOC ATLANTA .....146.2 GA
K4HVK KIBBEE ..... GA
KF4DKJ DRAKESBORO ..... KY
W4CMR IRVINE .....192.8 KY
K5HYE MAGEE .....100.0 MS
WB4PZA ROARING GAP ..... NC
K4GMP WILMINGTON .....88.5 NC
KT4NZ CAMDEN .....131.8 SC
W4NYK GRNVLE/PARIS MT ..... SC
WB4OAH LAKE CITY ..... TN

W4BS MEMPHIS ..... TN
AB4SW WINCHESTER ..... TN
W4CAR CHESAPEAKE .....162.2 VA
N4WWB GATE CITY ..... VA
WB8IFS CHARLESTON ..... WV

146.2350 / 146.8350
KC4GSS THOMSON ..... GA
KC4ZOX SALVISA .....192.8 KY
WB4PLA #ASHEVILLE ..... NC
KB4TOH COLUMBIA .....131.8 NC
W4USH WADESBORO ..... NC
KT4YW CHARLESTON ..... SC
KB4YTM HUNTINGDON ..... TN
W4LYR WATERTOWN .....100.0 TN
KK4EH GRUNDY/BIG A MT ..... VA
N4UTN RUSTBURG/LONG MT .....173.8 VA

147.4350 / 146.8350
N4KHQ DAHLONEGA .....100.0 GA
KB4BPV HIGH POINT ..... NC

146.2500 / 146.8500
W4RPO DALLAS ..... GA
KE4WAQ SAVANNAH ..... GA
WA4ORT WARNER ROBINS ..... GA
KM4IV PIKEVILLE ..... KY
K5JMD BUDE .....103.5 MS
WB5MFK IUKA ..... MS
W5LWC KOSCIUSKO ..... MS
K4CYP GOLDSBORO ..... NC
WA4DSZ HICKORY/BRT. MT ..... NC
N4IV REIDSVILLE .....103.5 NC
W4ULH FLORENCE ..... SC
WA4KJH GTLBG/COVE MTN .....127.3 TN
WA4KOG MEMPHIS ..... TN
W4AY NASHVILLE .....114.8 TN
W4POX PORTSMOUTH ..... VA
WA4ZBP STAUNTON .....131.8 VA
WV8BD BECKLEY/FLAT TOP..... WV
N8ZAR BUCKHANNON ..... WV

146.2650 / 146.8650
N4ZON JESUP .....123.0 GA
WB4DKY MADISON .....179.9 GA
KM4OF OWENSBORO ..... KY
KG4AEU RICHMOND .....192.8 KY
KD4HLH LAURENS .....107.2 SC
KF4DPU CROSSVILLE ..... TN
KN4KP TRENTON ..... TN
KF4VDF NORTON .....103.5 VA

147.4650 / 146.8650
N5DWU ELLISVILLE .....136.5 MS
KB4YSX MURPHY/STALCUP .....151.4 NC
WA4ZRS WAXHAW .....94.8 NC
WZ8E MOUNTAIN LAKE .....110.9 VA

146.2800 / 146.8800
W4CVY COLUMBUS ..... GA
W4BTI MARIETTA/ATLANTA .....100.0 GA
WA4NKL QUITMAN ..... GA
W4HBB SAVANNAH ..... GA
W4PF LOUISVILLE ..... KY
KA4UHL SOMERSET .....77.0 KY
K5QNE JACKSON .....100.0 MS
KE5SJ PASCAGOULA ..... MS
WB4TQD RALEIGH ..... NC
W4NYR SHELBY ..... NC
KF4IIM ORANGEBURG .....118.8 SC
WD4CYZ BRISTOL ..... TN
WA4KOG MEMPHIS ..... TN
WA4PCD NASHVILLE ..... TN
W4SKH OAK RIDGE ..... TN
W4RAT RICHMOND ..... VA
WA4V SALEM ..... VA
WB8CQV SO. CHARLESTON .....203.5 WV

146.2950 / 146.8950
W4VNI HARTWELL .....100.0 GA
WR4MG HAWKINSVILLE .....107.2 GA
N3SM MACON .....123.0 GA
K4JBV FLORENCE .....100.0 KY
KA4BLZ LYNN GROVE .....210.7 KY
W4APE PAGELAND ..... SC
KF4HNV CROSSVILLE .....118.8 TN
WD4EGD DANDRIDGE ..... TN
WA4KXV VIRGINIA BEACH ..... VA
WB3T WYTHE/WALKR TOP .....103.5 VA

147.4950 / 146.8950
WD4LUQ DALLAS .....77.0 GA
KC4KZT DORTON .....141.3 KY
N5DWU ELLISVILLE .....136.5 MS

146.3000 / 146.9000
WB4WVH IRVINGTON ..... KY

146.3100 / 146.9100
WB4HIG CLEVELAND ..... GA
K4HYB GRIFFIN ..... GA
K4GFY MOREHEAD .....123.0 KY
KS4TO WADDY .....107.2 KY
K5VV HERNANDO ..... MS
WA5JZL LUCEDALE ..... MS
K5OCM NATCHEZ .....91.5 MS
WA4ZGQ AHOSKIE .....131.8 NC
W4MOE ASHVL/SPIVEY MT .....91.5 NC
WB4YZF FAYVLLE/CFARS .....100 NC
K4IZM LEXINGTON .....107.2 NC
W4BWZ WHITE HALL ..... SC
KC4ROG KNOXVILLE ..... TN
W4YXA SHORT MTN ..... TN
KE4ZBH FARMVILLE ..... VA
K4TUE MT.LAKE/BALD KNB .....107.2 VA
N8BQ MCMECHEN ..... WV

146.3250 / 146.9250
WA4ASI COVINGTON ..... GA
N4PJR JESUP ..... GA
W4BEJ RADCLIFF ..... KY
WB5VOJ CORINTH .....107.2 MS
AD4T #DOBSON .....100.0 NC
W4APE BISHOPVILLE ..... SC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

W4GZX CLEVELAND ..... TN
WA4TLZ CUMBERLAND CITY .....127.3 TN
WD4OBW JONESBOROUGH ..... TN
WA4TFZ CHARLOTTESVILLE ..... VA
WB4GJG DANVILLE(DCC) .....107.2 VA
WD8DGY PRINCETON/PIPEST ..... WV

146.3400 / 146.9400
KT4N AUGUSTA ..... GA
W4VO ROME/MT. ALTO .....88.5 GA
WA4RVB WRIGHTSVILLE ..... GA
KG4DVE ASHLAND ..... KY
KY4X GLASGOW .....114.8 KY
K4MSU MURRAY ..... KY
KB5DWX AMORY .....192.8 MS
KA5SBK JACKSON .....100.0 MS
K5JMD MCCOMB ..... MS
W4DLH BURGAW ..... NC
WA4IZG BUTNER .....156.7 NC
W4BFB CHARLOTTE ..... NC
W4ACY MANTEO/WANCHES ..... NC
KF4CDR CHARLESTON ..... SC
W4IQG GREENVILLE .....7 SC
WB4GBI KNOXVILLE ..... TN
N4BSM MEMPHIS .....107.2 TN
K4UMI HAMPTON ..... VA
W4ZA RICHMOND ..... VA
N4AP ROANOKE ..... VA
KD8AB FENWICK ..... WV
W8CWO WEIRTON ..... WV

146.3550 / 146.9550
KD4AOZ ATHENS .....123.0 GA
KE4RQT BLAIRSVILLE .....100.0 GA
WR4MG PERRY .....107.2 GA
KF4BRO FLEMINGSBURG .....107.2 KY
WB9SHH MONTECELLO .....88.5 KY
N5EKR ELLISVILLE ..... MS
K5OB ISOLA ..... MS
KD4WAR BURNSVILLE ..... NC
K4RNC ROCKINGHAM ..... NC
NT4L #NASHVILLE .....114.8 TN
WZ8E BLUEFIELD/ONEIDA.....100.0 VA
N4CFA FARMVILLE .....136.5 VA

146.3700 / 146.9700
K4CLJ ATLANTA ..... GA
W4HBB SAVANNAH ..... GA
K4DPP #HENDERSON ..... KY
W8PRH STANTON ..... KY
KI5FW MERIDIAN .....100.0 MS
N5PH PASCAGOULA ..... MS
N5EYM WINONA .....110.9 MS
KD4BJD BENSON .....100.0 NC
N4XRY MOUNT AIRY ..... NC
N4AW ANDERSON ..... SC
W4GEY FLORENCE ..... SC
W4TRC KNGSPT/BAYS MT ..... TN
WD4MWQ MCMINNVILLE ..... TN
WA4RWK MEDINA ..... TN
W4SKH OAK RIDGE ..... TN
W4WRN STAUNTON ..... VA
WA4KXV VIRGINIA BEACH ..... VA
KJ8E LOGAN/WRD RK MT ..... WV
N8NBL PARKERSBURG (OH)..... WV

146.3800 / 146.9800
W4BEJ ELIZABETHTOWN ..... KY

146.3850 / 146.9850
K4KNS AUGUSTA .....100.0 GA
KC4ZGN ELLIJAY/TALONA M .....77.0 GA
KN4FE WARM SPRINGS ..... GA
N4SEI #JONATHAN CREEK ..... KY
N5LRQ COLLINS .....136.5 MS
KB5DMT SENATOBIA .....107.2 MS
K4OGB ALBEMARLE ..... NC
WD4PVE MARION .....118.8 NC
KC4PRD NASHVILLE ..... TN
KK4MW #CLINCHCO .....103.5 VA
KE4SCS PETERSBURG .....131.8 VA
W4CA ROANOKE/POOR MT ..... VA
KF8LL NEW MARTINSVILE ..... WV

146.4000 / 147.0000
WA4NNO ATLANTA ..... GA
K5UFH CORINTH ..... MS
KE5TL #VANCLEAVE ..... MS
N5DXM WATER VALLEY ..... MS
WD4FVO JACKSONVILLE ..... NC
WA4MRV MARION ..... SC
WB4YXZ PICKENS ..... SC
KD4CWB #KNOXVILLE .....100.0 TN
W4ZJM MEMPHIS .....*# TN
W4LG SUFFOLK .....100.0 VA
K8WMX ST ALBANS ..... WV

147.6000 / 147.0000
W4EEE BOGART ..... GA
KE4LR SHELBYVILLE ..... KY
KG4M WILLIAMSBURG ..... KY
KC5ULN COLUMBUS ..... MS
W5IQ JACKSON ..... MS
WW4DC THOMASVILLE .....88.5 NC
W4CBX BLOUNTVILLE ..... TN
WD4SGA CLARKSVILLE ..... TN
KA6UHV COLLEGEDALE ..... TN
KD8ZR TERRA ALTA ..... WV

146.4150 / 147.0150
N4GIS CARTERSVILLE .....100.0 GA
N4YSB YADKINVILLE ..... NC
AB4M LYNCHBURG .....131.8 VA
K4AXO NORTON/HIGH KNB .....88.5 VA

147.6150 / 147.0150
K4EDN BONAIRE .....82.5 GA
KF4UM HINESVILLE ..... GA
AD4RU IRVINE ..... KY
N5JHK MONTICELLO ..... MS
NC4LC LINCOLNTON .....141.3 NC
KD4MYE RALEIGH ..... NC
W4GL SUMTER .....156.7 SC
AF4TZ NASHVILLE ..... TN
AA4KS ROKWD/MT ROSVLT ..... TN
WF4Q UNION CITY .....107.2 TN
AA8TH RICHWOOD ..... WV

146.4300 / 147.0300
WV5D LAUREL ..... MS
KU4OL MOUNTAIN REST ..... SC
K4YTZ ROCK HILL ..... SC
WA4JST RICHMOND ..... VA

147.6300 / 147.0300
W4REI ATLANTA/AIRPORT ..... GA
KD4ULE HOPKINSVILLE .....103.5 KY
W4PJZ LOUISVILLE .....151.4 KY
W5LDD OCEAN SPRINGS ..... MS
KG4BTN GREENSBORO .....131.8 NC
KB4DJT ROANOKE RAPIDS ..... NC
KF4CVO BARNWELL .....156.7 SC
K4NMB #N. MYRTLE BEACH ..... SC
W4BV FAYETTEVILLE ..... TN
W4EM MEMPHIS ..... TN
KQ4E MORRISTOWN ..... TN
KC8IT MULLENS ..... WV
WB8ECC ST.MARYS/BENS RG ..... WV

146.4450 / 147.0450
K4AIH ANDRWS/ROBNSVL .....151.4 NC

147.6450 / 147.0450
KE4ZRT DOUGLAS .....141.3 GA
KD4AOZ WATKINSVILLE .....123.0 GA
KJ4VF GRETHEL .....100.0 KY
KE4OOS PARIS .....141.3 KY
KB5LCL POLKVILLE .....141.3 MS
N1BEC BALD CREEK ..... NC
W4NHV LUMBERTON ..... NC
KC4MJC #STATESVILLE .....77.0 NC
K4ILT ST. GEORGE .....123.7 SC
WD4OZN BOLIVAR ..... TN
N2UP LIVINGSTON ..... TN
K4AYN NASHVILLE ..... TN
KE4CKJ STAUNTON/EL KB .....131.8 VA
WA4SBC VIRGINIA BEACH ..... VA

146.4600 / 147.0600
W4CG CHARLOTTE ..... NC
KD4LDU CHARLESTON .....141.3 TN
KF4AGO SOUTH BOSTON ..... VA
KA8PNC PRINCETON ..... WV

147.6600 / 147.0600
WA4DDI MACON ..... GA
N4CLA ROSWELL ..... GA
W4UCJ THOMASVILLE ..... GA
K4LOL BOWLING GREEN .....156.7 KY
W4NJA #PADUCAH ..... KY
N5OCF RICHTON ..... MS
WA4LED MACO .....88.5 NC
W4VFR SUMTER/SHAW ..... SC
KB4UG GRNVL/VIKING MT ..... TN
WA4MQQ MEMPHIS ..... TN
N4VFB SHELBYVILLE ..... TN
WB4VWR ENON .....107.2 VA
N8ZAR BUCKHANNON .....123.0 WV

147.6700 / 147.0700
N4NMC LOUISVILLE .....151.4 KY

146.4750 / 147.0750
NM8T SMITHERS ..... WV

147.6750 / 147.0750
W4CLA CLAYTON ..... GA
W4GR LAWRENCEVILLE .....82.5 GA
N4TLP OWINGSVILLE ..... KY
NC5Y JACKSON ..... MS
K4CCR NEWTON .....88.5 NC
KD4JFN PITTSBORO .....146.2 NC
KT4BU EASTOVER .....156.7 SC
WQ4E GREENBRIER .....107.2 TN
WB4GBI KNOXVILLE ..... TN
WF4Q MCNAIRY .....107.2 TN
AD4ZK NORFOLK ..... VA
W4PNT WAYNESBORO ..... VA
KE8MR MORGANTOWN .....103.5 WV

147.6900 / 147.0900
KE4RWR BAINBRIDGE ..... GA
KC4YHM EATONTON .....179.9 GA
K2YRH YOUNG HARRIS ..... GA
KF4CWK DAWSON SPRINGS .....103.5 KY
KJ4YK PHELPS ..... KY
KB5DSN AMORY ..... MS
N5MRS NEW HEBRON ..... MS
WB5FXH #SUMNER ..... MS
W4GDF GREENVL/ESTN NC ..... NC
KI4DH STARKSVILLE ..... MS
KF4ATU ORANGEBURG .....156.7 SC
K4JLA SPARTANBURG ..... SC
AD4QG EVA ..... TN
K4NLP JAMESTOWN .....100.0 TN
W4GMM MEMPHIS .....107.2 TN
W4BRC GALAX/BRIRP MT ..... VA
N4TZE GOOCHLAND ..... VA
N4RAC MARLVTON .....131.8 WV

147.7050 / 147.1050
WB6RTH ATLANTA .....107.2 GA
NC4D STATESBORO ..... GA
N4EQT FRANKFORT .....107.2 KY
WA4ZAC HARLAN ..... KY
K9ZK #HAWESVILLE ..... KY
W5SAR WAYNESBORO ..... MS
K4ITL BROADWAY ..... NC
WA4KNI HENDERSONVILLE ..... NC
KD4NEC CLEVELAND ..... TN
K4TC HENDERSON ..... TN
W4LYR LEBANON .....100.0 TN
WB4JBJ BEDFORD ..... VA
KB4ZIN WILLIAMSBURG ..... VA
KA8AUW SPENCER .....100.0 WV

147.7200 / 147.1200
W4CMA CEDARTOWN ..... GA
K4HCA CLARKESVILLE ..... GA
KT4N #LINCOLNTON ..... GA
KA4KMT #LOUISVILLE ..... KY
WB4ASZ WINCHESTER ..... KY
NO5N ACKERMAN ..... MS
N4GAS GASTONIA/SPCR MT ..... NC
WN4Z ROCKY MOUNT .....131.8 NC
W4GS MYRTLE BEACH ..... SC
W4GGM COLUMBIA ..... TN

N4WAH MEMPHIS .....107.2 TN
K4EAJ OAK RIDGE .....82.5 TN
WB8POC PATRICK SPRINGS .....107.2 VA
WB8DKM BRIDGEPORT ..... WV
WB8NAM MADISON ..... WV

147.7350 / 147.1350
N4SZJ DALTON .....118.8 GA
WR4SG LAKE PARK .....141.3 GA
K4GK MILLEDGEVILLE .....123.0 GA
KF4CME BARBOURVILLE .....100.0 KY
KE4SZK FRANKLIN .....136.5 KY
KF4WMM SANDY HOOK .....107.2 KY
KB5UIX VOSSBURG .....136.5 MS
K4HXZ BREVARD ..... NC
K4ITL CHAPEL HILL .....82.5 NC
WA4JLS WILMINGTON .....67.0 NC
KF4GPE CHESTERFIELD ..... SC
KG4BZN WALTERBORO ..... SC
WB4EDS ALAMO ..... TN
N4AZJ PEARISBURG .....100.0 VA
KC4VDZ RICHMOND .....107.2 VA
KE8MR DAVIS .....103.5 WV
KC8TLG ROCKPORT .....123.0 WV

147.7500 / 147.1500
WB4GQX CUMMING ..... GA
WA4IDS SAVANNAH ..... GA
KA9KOP #LOUISVILLE .....141.3 KY
KI5WI BOONEVILLE ..... MS
KF5IZ PEARL/RANKIN CO .....88.5 MS
K4VLY MORGANTON ..... NC
K4ITL MORGANOKE RAPIDS .....82.5 NC
WD4NUN MONCKS CORNER ..... SC
WA4PCD NASHVILLE WEST .....114.8 TN
K4EAJ OAK RIDGE .....82.5 TN
KB4RFN CLINCHCO .....88.5 VA
KB8YDG RICHWOOD .....100.0 WV

147.7650 / 147.1650
KE4ZRT DOUGLAS .....141.3 GA
KF4XH #MACON ..... GA
N4NEQ MORGANTON .....151.4 GA
N4OME TYRONE ..... GA
W4WSM BOWLING GREEN ..... KY
WA4HBM LEXINGTON ..... KY
WB4UBY PRESTONSBURG ..... KY
W4UA HIGH POINT ..... NC
KD4PBK LUMBERTON .....88.5 NC
W4GWD GREENWOOD .....107.2 SC
KF4BRS ERWIN/UNICOI ..... TN
WA4CEX PURYEAR ..... TN
KR4BT SPARTA/WHITE .....123.0 TN
W4CM NEWPORT NEWS ..... VA
WC8K WESTON ..... WV

147.7800 / 147.1800
N4BMA AUGUSTA ..... GA
WD4NHW BALDWIN ..... GA
WB4BDP WARNER ROBINS ..... GA
KE4ZJT LONDON .....151.4 KY
W4CN LOUISVILLE .....88.5 KY
KC5LIO WEST POINT ..... MS
WA1YYN EFLAND .....156.7 NC
AC4RC WILMINGTON .....88.5 NC
W4DXA FORT MILL ..... SC
WA4HNK SUMMERVILLE .....123.0 SC
WD4DES CLEVELAND .....118.8 TN
WA4KOG MEMPHIS ..... TN
K4ZGA NASHVILLE .....114.8 TN
KB4VKV AMELIA COURTHSE ..... VA
WD4FIN MONTEREY .....100.0 VA
WB3S KEYSER KB/PULASKI .....103.5 WV
WD8OHX LEON ..... WV

147.7950 / 147.1950
K4JPD ATLANTA ..... GA
W4UCJ BOSTON ..... GA
KT4SH CADIZ .....103.5 KY
KJ4VF LEXINGTON ..... KY
W4NIN HENDERSONVILLE ..... NC
KO4CW RALEIGH .....88.5 NC
W4APE FLORENCE ..... SC
KC4FV ARNOLD A.F.B. ..... TN
KD4CWB KNOXVILLE .....100.0 TN
AF4OQ SARDIS ..... TN
WA4RTS LYNCHBURG .....136.5 VA
WT4RA SMITHFIELD .....100.0 VA
KV8N WILKINSON SOUTH .....100.0 WV

147.8100 / 147.2100
KF4GHF CONYERS .....162.2 GA
K4NLX SAVANNAH ..... GA
KB4DFK BLACK MOUNTAIN .....103.5 KY
K4HY OWENSBORO .....110.9 KY
N5SPJ UNION .....100.0 MS
W4BUZ GREENSBORO ..... NC
W4SLH ORIENTAL ..... NC
W4NTQ WHITEVILLE ..... NC
K4AVU LITTLE MT. ..... SC
N4WS COOKEVILLE ..... TN
WF4Q JACKSON .....107.2 TN
KB8NJH AMBER RIDGE .....107.2 WV
N8FMD CLARKSBURG .....103.5 WV

147.8250 / 147.2250
KG4ABK DOERUN ..... GA
W4RLP SUMMERVILLE .....100.0 GA
KB4NFK #LITCHFIELD ..... KY
N4DRL BYHALIA ..... MS
W5BJT #FRENCH CAMP ..... MS
WB4SRV CLAREMONT .....162.2 NC
WR4AGC HILLSBOROUGH ..... NC
W4DTW ST. GEORGE ..... SC
WB4OAH MORRISTOWN ..... TN
NO4Q #WAVERLY ..... TN
KA4VXR HAMPTON .....136.5 VA
WB8NRK PRINCETON .....114.8 WV

147.8400 / 147.2400
AE4JO EMERSON .....103.5 GA
WB4NFG IRWINTON .....77.0 GA
KC4QK ASHLAND .....107.2 KY
W4GZ FARMINGTON .....91.5 KY
KC4AI FRANKFORT .....100.0 KY
KF4TLT HYDEN .....186.2 KY

KG5YV RAYMOND .....136.5 MS
N5ELS TUPELO ..... MS
W2SE CARTHAGE ..... NC
W4SIJ FOREST CITY .....123.0 NC
W4GHZ FRANKLIN .....151.4 NC
W4IAR HILTON HEAD ..... SC
AC4VT LANCASTER .....88.5 SC
W4LKZ GALLATIN .....114.8 TN
KD4ZTK BOYDTON ..... VA
N4MGQ ELK CRK/IRON MTN.....107.2 VA
K8WGB #GASSAWAY .....123.0 WV

147.8550 / 147.2550
KR4NQ SNELLVILLE .....107.2 GA
AE4PO WAYCROSS .....141.3 GA
N4IOX #DIXON ..... KY
K4CO HIGHLAND HTS. ..... KY
KC5RC LAUREL ..... MS
KJ4AV ASHEBORO ..... NC
WA4KNI HENDSVL/PENIC ..... NC
W4RRC LEESVILLE .....123.0 SC
WA4JA FRANKLIN ..... TN
KJ4SI PETROS/FRZ HD MT..... TN
K4BW ACCOMAC ..... VA
WD4CYZ #CLINCHCO ..... VA
KC8CNL HINTON .....100.0 WV
WA8LLM PARKERSBURG ..... WV

147.8700 / 147.2700
KF4ZUR ALLENHURST ..... GA
W4VIR AMERICUS ..... GA
KF4GHF COVINGTON .....162.2 GA
WB4EJK LOUISVILLE .....151.4 KY
KE4AIE ST. CHARLES ..... KY
WB5USN ABERDEEN ..... MS
K5ZRO VICKSBURG .....100.0 MS
W4CQ CHARLOTTE ..... NC
AK4H RALEIGH/BENSON ..... NC
N4SM WAYNESVILLE ..... NC
W4ANK CHARLESTON AREA ..... SC
WA4JRJ SEN/CAL/ONG MT ..... SC
WA4YQC GALLATIN .....114.8 TN
WB0TMC JACKSON ..... TN
KE4FH JOHNSON CITY ..... TN
WB4IKL GUM SPRING ..... VA
KB4QWO ROANOKE/POOR MT ..... VA
WV8AR SCOTT DEPOT .....123.0 WV

147.8850 / 147.2850
W4PVW ASHBURN/TIFTON .....103.5 GA
KA5WZY ATLANTA ..... GA
KC4WWU KINGSLAND .....118.8 GA
KC4ZFH LONDON ..... KY
KA4FGA #MARION ..... KY
N5LJC COLUMBIA ..... MS
KB5TGA CORINTH ..... MS
N4ADM AIKEN ..... SC
N4LV MYB BCH/BRKSVIL ..... SC
W4RCW #WHITE OAK MTN ..... SC
KF4JPT PIKEVILLE ..... TN
KF4KVG MARTINSVILLE .....107.2 VA
KA4ZIP WARSAW ..... VA
W8LG PINEVILLE ..... WV
N8HON SPRUCE KNOB ..... WV

147.9000 / 147.3000
N4ALE COLBERT ..... GA
WB4YSV ROME ..... GA
WR4MG WARNER ROBINS .....107.2 GA
K4ICN ALLEN .....123.0 KY
WA4SJH SPRINGFIELD ..... KY
KA5LNY MAGEE ..... MS
W4YSB JEFFERSON .....103.5 NC
N4JEX KANNAPOLIS .....136.5 NC
W4MZP RED SPRINGS ..... NC
WB4IUY WILSON .....88.5 NC
K4LWS AWENDAW .....103.5 SC
W4CAT GALLATIN .....114.8 TN
W4BBB KNOXVILLE/RACK .....100.0 TN
WA4ADT MEMPHIS .....107.2 TN
KD4ITB FRANKLIN .....131.8 VA
KI4ZR LEXINGTON .....131.8 VA
WB8NSL HARISVL/PENSBRO ..... WV

147.9150 / 147.3150
AD4EQ DOUGLAS ..... GA
W4STJ FORSYTH .....88.5 GA
KC4TX #HODGENVILLE ..... KY
KC4YKR SALEM ..... KY
N5DWU WAYNESBORO ..... MS
KF4HFQ ROLLESVILLE .....88.5 NC
K4MPJ SAURATOWN MT .....100.0 NC
K4PPD SHALLOTTE ..... NC
N4UZT N. SPARTANBURG .....141.3 SC
KD4HZN ROGERSVILLE .....114.8 TN
N4ARK SPARTA .....123.0 TN
AJ4D TELLICO PLAINS .....141.3 TN
K4HWQ GRUNDY ..... VA

147.9300 / 147.3300
W3LAP COCHRAN .....77.0 GA
WB4BXO LAGRANGE ..... GA
K4NLX SAVANNAH ..... GA
KA4DIP TOCCOA ..... GA
WA8KWH ASHLAND ..... KY
KA4CFW BOWLING GREEN ..... KY
WD4KNE #MT. STERLING ..... KY
N4IUI #PROVIDENCE ..... KY
N5EPP PHILADELPHIA ..... MS
W4LPL FAYVLLE/FT BRAGG ..... NC
KN4K LENOIR/HIBRITN .....141.3 NC
KF4GHC COLUMBIA .....156.7 SC
WD4ORB MORGAN COUNTY .....82.5 TN
WD4RBJ PULASKI .....100.0 TN
KI4ZR LEXNGTN/ROCK MT..... VA

147.9450 / 147.3450
N4NEQ ATLANTA/MARIETTA .....118.8 GA
N4PJR JESUP/SCREVEN ..... GA
WD4JZH LEBANON .....151.4 KY
KF4TLT STINETT ..... KY
KG5SF GREENVILLE ..... MS
N5ZMZ UTICA ..... MS
WA4IXW MADISON .....103.5 NC
W4NYR SHELBY ..... NC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

KF4DTL SYLVA ..... 151.4 NC
WA4TEP WASHINGTON ..... NC
KF4CDR ADAMS RUN (CHAS)..... SC
K4BBN CROSS PLAINS ..... TN
K4PHT DAYTON ..... TN
NM4L ABINGDON ..... 103.5 VA
N4WAO EASTVILLE ..... 156.7 VA
W3RUA FRANKLIN ..... WV
NU8K LOGAN/SUMERCO ..... WV

147.9600 / 147.3600
W4SCR DOUGLASVILLE ..... 88.5 GA
WA4HZX DUBLIN ..... GA
KQ8Z LOUISVILLE ..... KY
W5CJR HATTIESBURG ..... MS
KC5QGC LOUISVILLE ..... MS
K5SVC NATCHEZ ..... 100.0 MS
WA4J BOONE/RICH MTN ..... 103.5 NC
WD4LDB DURHAM ..... NC
W4PET LUMBERTON ..... NC
N4EOY COLUMBIA ..... SC
KA4OAK LAFOLLETTE ..... TN
W4BS MEMPHIS ..... 107.2 TN
AF4TZ NASHVILLE ..... TN
K4KLX PARIS ..... TN
KA4CBB CHESTERFIELD ..... VA
KB4OLM STUARTS DRAFT ..... VA
N8FWL BECKLEY ..... 123.0 WV
WV8TC MIDDLEBOURNE ..... 110.9 WV
K7SOB SKYLINE ..... 127.3 WV

147.9750 / 147.3750
K4TQU ATHENS/CRAWFRD ..... 127.3 GA
KB4VAK LAFAYETTE ..... 77.0 GA
KG4HRN BUCKHORN LAKE ..... 103.5 KY
KD4YGK CENTER ..... 151.4 KY
K4CO WALTON ..... KY
KA5VFU GULFPORT ..... MS
KD4WAR BURNSVILLE ..... NC
K4GWH GRAHAM ..... 114.8 NC
KC4UMO #GREENVILLE ..... NC
KI4CB GEORGETOWN ..... 179.9 SC
K4LEO #GREENWOOD ..... SC
KN4HL DICKSON ..... TN
W4NRV PEARISBURG ..... 100.0 VA
W4NV VIRGINIA BEACH ..... VA
WD8LNB GRAFTON ..... 118.8 WV

147.9800 / 147.3800
WB5NAY PONTOTOC ..... MS

147.9900 / 147.3900
KE4SNT #BLACK ROCK MT ..... GA
W4CJB PEMBROKE ..... GA
W4OHH THOMASTON ..... 131.8 GA
KE4INT #ARTEMUS ..... 107.2 KY
WR8CRA COVINGTON ..... KY
KF4TOL CRESTWOOD ..... 151.4 KY
N8QCW LOUISA ..... 127.3 KY
KC5QHP FOREST ..... 100.0 MS
WA4CHZ AQUADALE ..... NC
WB4IUY CLAYTON ..... 88.5 NC
WA4QBG EDEN/STONEVILLE ..... NC
K4PPD SHALLOTTE ..... NC
N4DTR WAYNESVILLE ..... NC
KA4FEC LEXINGTON ..... SC
KF4L #CLARKSVILLE ..... TN
K4DPD DAYTON/RHEA CTY ..... TN
KQ4E #MORRISTOWN ..... TN
WA4BJY OAKFIELD ..... TN
K4ARO PETERSBURG ..... VA
N8RCG KEYSER ..... 123.0 WV
WV8D LEWISBURG ..... 100.0 WV
WD8CYV PARKERSBURG ..... 141.3 WV

220 MHZ

222.1800 / 223.7800
WD8OHX #LEON ..... WV

222.3000 / 223.9000
WB4SUV HERITAGE ..... TN

222.3400 / 223.9400
KC4QK ASHLAND ..... KY
W4ZJM MEMPHIS ..... *# TN

222.3600 / 223.9600
WR3S SMITHVILLE ..... TN

222.3800 / 223.9800
W4CAT GALLATIN ..... TN

222.4200 / 224.0200
WB4JEH #CONYERS ..... GA

222.4600 / 224.0600
W4NYR SHELBY ..... NC

222.5000 / 224.1000
KA4UHL NANCY ..... 100.0 KY
W4UWH FRANKLIN ..... 94.8 NC
WB4VHD FAIRFAX ..... VA
N4CH ROANOKE ..... VA

222.5200 / 224.1200
N4NFP ATLANTA/MARIETTA ..... 118.8 GA
WM4MD MIDDLESBORO ..... 82.5 KY
N1BEC BALD CREEK ..... NC
W4GL SUMTER ..... SC
WV8B FLAT TOP/WINTRPL..... 100.0 WV

222.5400 / 224.1400
KD4ALC WALESKA ..... GA
W5SAR WAYNESBORO ..... MS
WR4BEG SOPHIS/RANDLEMAN..... NC
WB4QHF PICKENS/CSRS HD ..... 131.8 SC
KB4PNG ONEIDA ..... TN
N4HRV CHARLOTTESVILLE ..... 88.5 VA
WR8M WILLIAMSON ..... WV

222.5600 / 224.1600
KC4JNN BISKEY MTN ..... 100.0 GA
KN4K LENOIR/HIBRITN ..... NC
WR3S NASHVILLE ..... TN
KF4VED BLUEMTN ..... VA

222.5800 / 224.1800
N4YDX DALLAS ..... GA
KA4NRL CHARLESTON ..... SC
KB8FPK ERWIN ..... 88.5 TN
WA1ZMS BEDFRD/APL ORCH ..... 100.0 VA

222.6000 / 224.2000
KC4OVY #ATLANTA-NE ..... 100.0 GA
WA4US WILMINGTON ..... NC

W4ILY GREENVILLE ..... SC
W4CBX BLOUNTVILLE ..... TN
W4JAS HAMPDEN-SYDNEY ..... VA
WB4GUG STUART ..... 107.2 VA

222.8200 / 224.4200
N4NEQ ATLANTA/MARIETTA ..... GA
AD4CR VERSAILLES ..... KY
NF4C ROCKY MOUNT ..... NC
KB4FZK KNXVL/CROSS MT ..... 100.0 TN
KO4BN SPRINGFIELD ..... TN
N3HXT WINCHESTER ..... VA
KC8LRN HILLSBORO ..... 131.8 WV

222.6400 / 224.2400
N4YYD FT MT/CHATSWTH ..... 71.9 GA
WA4KNI HENDSVL/BERWLW ..... NC
KE4QOX KVILLE/HIPOINT ..... 107.2 NC
N8FWL BECKLEY ..... 123.0 WV

222.6600 / 224.2600
KE4QFG MARIETTA ..... GA
WA4BVW ASHVL/MT PISGAH ..... NC
WR4AGC HILLSBOROUGH ..... NC
N4PYI SHORT MTN. ..... 114.8 TN

222.6800 / 224.2800
N4BLR ATLANTA ..... GA
AC4RZ PICKENS ..... SC
KA4OAK LAFOLLETTE ..... TN
AB4M LYNCHBURG ..... VA

222.7000 / 224.3000
WA4KM TEMPLE ..... 100.0 GA
KA4MKT LOUISVILLE ..... KY
N4AI SOMERSET ..... KY
WA4WRS BARIUM SPRINGS ..... NC
KE4CKJ STAUNTON/EL KNOB..... 131.8 VA

222.7200 / 224.3200
N4MTA ACWORTH/ATL ..... 123.0 GA
KA4SQN JACKSONVILLE ..... NC
W4IT PICKENS/SASFR MT ..... SC
KK4US CLEVELAND ..... TN
N4RAG BUCK'S ELBOW ..... 131.8 VA

223.7200 / 224.3200
K4TDO LYNCH ..... KY

222.7400 / 224.3400
W4DOC ATLANTA ..... GA
WW4DC THOMASVILLE ..... 88.5 NC
WB4GBI KNOXVILLE ..... TN
KM4OI TYSON'SCORNE ..... VA
N8FWL BECKLEY/OAK HILL ..... 123.0 WV

222.7600 / 224.3600
N4BZJ DALTON ..... GA
WB4PAC #GRIMESLAND ..... NC
WA4TG MARSHALL ..... NC
WR3S LAVERGNE ..... TN
KE4JSV LURAY ..... VA
WB8YST CHARLESTON ..... 107.2 WV

222.7800 / 224.3800
N4RBT DAHLONEGA ..... 100.0 GA
WR4AMS META ..... KY
N4OQJ KNOXVILLE ..... 100.0 TN
W4EW RIDGEWAY ..... VA

222.8000 / 224.4000
KC4AQS JASPER ..... 100.0 GA
W4BFB CHARLOTTE ..... NC
WB4QHF PICKENS ..... 131.8 SC
KB4YGI COLLIERVILLE ..... TN
N4RBB MORRISTOWN ..... TN

222.8200 / 224.4200
KD4AOZ WATKINSVILLE ..... 123.0 GA
AC4AO LEXINGTON ..... KY
W4BS MEMPHIS ..... TN
WD4GSM NORTON/HIGH KNB ..... VA
WB8POC PATRICK SPRINGS ..... 103.5 VA
WD4KHP BELLKNOB ..... VA

222.8400 / 224.4400
N4NEQ ATL/MARIETTA ..... 118.8 GA
WB4GUG GREENSBORO ..... 107.2 NC
KN4CW WEST SPRINGS ..... SC
KC4TFQ #NASHVILLE ..... TN
N2FUV SEVIERVILLE ..... TN
N8FWL BLUEFIELD ..... 123.0 VA

222.8600 / 224.4600
N4BZJ DALTON ..... 118.8 GA
KB0Y VALDOSTA ..... 141.3 GA
K4XYZ BUCKHORN LAKE ..... 103.5 KY
KC4ZTJ SHELBY ..... NC
WR3S NASHVILLE ..... TN

222.8800 / 224.4800
KE4IPX NORCROSS ..... GA
W4DEX LOCUST ..... NC
K4ZGA NASHVILLE ..... TN
KD4HZN ROGERSVILLE ..... TN

224.9000 / 224.5000
KG4JIA SC ..... 123.0 GA
N4MTA ACWORTH/ATL ..... 123.0 GA
N4FND SHEPHERDSVILLE ..... 151.4 KY
N4DRL BYHALIA ..... MS
AD4DN WILMINGTON ..... 88.5 NC
W4BBB KNOXVILLE/RACK ..... 100.0 TN
K4PCA MARTINSVILLE ..... VA

222.9200 / 224.5200
KE4AIS PINE LOG MTN ..... GA
WR4AMS DORTON ..... KY
KR4HJ LEXINGTON ..... 107.2 NC
K4RWN LITTLE MTN ..... SC

222.9400 / 224.5400
N4YEA DALLAS ..... GA
WA4BVW MT MITCHELL ..... NC
N8ITF SPRINGFIELD ..... 107.2 TN
WB4PVT HAMPTON ..... 100.0 VA
N8FWL BECKLEY - WEST ..... 123.0 WV

222.9600 / 224.5600
W4DOC ATLANTA ..... 146.2 GA
KS4QA LOOKOUT MT ..... GA
KD4RXF LANCASTER ..... KY
WB4YZF FAYETTEVILLE ..... TN
KC4GYM COLUMBIA ..... 162.2 SC
AC4JF NEWPORT ..... 100.0 TN

222.9800 / 224.5800
NX9O ALPHARETTA ..... 100.0 GA

WB4F PIKEVILLE ..... KY
KR4AA ROCKY MOUNT ..... NC
WA4ROF #WALKERTOWN ..... NC
KB4VFD CONYERS ..... GA
N4KFI KNOXVILLE ..... 103.5 TN

223.0000 / 224.6000
W4UWH JASPER ..... 100.0 GA
WB4PLA ASHEVILLE ..... NC
KC4KUL #THOMASVILLE ..... NC
KD4TZZ MURFREESBORO ..... 123.0 TN
W4LG LAKE GASTON ..... VA

223.0200 / 224.6200
W4PME ATLANTA/BELL ..... 100.0 GA
KD4DAR PIKEVILLE ..... KY
KC4IRA GASTONIA ..... 127.3 NC
KD4JFN HAW RIVER ..... 107.2 NC
W4UWH GATLINBURG ..... TN
W4GSF GLOUCESTER ..... VA

223.0400 / 224.6400
KS4QA LOOKOUT MT. ..... GA
W4RNC RALEIGH ..... NC
WA4ROF WALKERTOWN ..... NC
KC4SWI COLUMBIA ..... SC
KC4RGQ MORRISTOWN ..... TN
N8FWL ANSTED ..... 123.0 WV

223.0600 / 224.6600
NP2Y YOUNG HARRIS ..... 100.0 GA
KE4RQL BIG KNB/MARS HIL ..... 100.0 NC
WA1YYN EFLAND ..... 107.2 NC
W4VFR SUMTER/SHAW ..... SC
WR3S NASHVILLE ..... TN

223.0800 / 224.6800
N4BZJ DALTON ..... GA
WB4KPF WILMINGTON ..... NC
KA4TDL WAYNESBORO ..... 131.8 VA
N8FWL WYTHEVILLE ..... 123.0 VA

223.1000 / 224.7000
W4TIY DALLAS ..... GA
WB9SZL CLEMMONS ..... 100.0 NC
KM4TC DUNCAN ..... 88.5 NC
KD4VUW GALLATIN ..... TN
KD4IBW SEVIERVILLE ..... 100.0 TN
KA4ARO PETERSBURG ..... VA

223.1200 / 224.7200
W4UWH CLAYTON ..... GA
WR4AMS LANGLEY ..... KY
WA4DAN TRENTON ..... NC

223.1400 / 224.7400
N4KVC DALTON ..... GA
KD4WAR BURNSVILLE ..... NC
N4NCK OXFORD ..... NC
N4PYI NASHVILLE ..... 100.0 TN
KC4JGC NORFOLK ..... 100.0 VA
N8FWL BECKLEY - SOUTH ..... 123.0 WV

223.1600 / 224.7600
W4BOC STONE MT ..... GA
KB7BTU PLYMOUTH ..... 131.8 NC
W4EXU SALISBURY ..... NC
WQ4E GREENBRIER ..... TN
K4PCK KNOXVILLE ..... TN
WR3S S. PITTSBURG ..... TN
WA4TFZ CHARLOTTESVILLE ..... VA

223.1800 / 224.7800
KC4KLW CEDARTOWN ..... 179.9 GA
WB5OWY VICKSBURG ..... MS
N4IV EDEN ..... 103.5 NC
KC4DBR ORANGEBURG ..... SC
K4VCM CHATTANOOGA ..... TN
KE4FH JC/BUFFALO MT ..... TN
WA4KOG MEMPHIS ..... TN
W4IY WOODBRIDGE ..... VA

223.2000 / 224.8000
KR4BD LEXINGTON ..... KY
KD4WJD ZEBULON ..... 88.5 NC
WZ4SC PORT MILL ..... SC
WQ4E GREENBRIAR ..... TN
KD4IBW SEVIERVILLE ..... TN
KC8LRN LEWISBURG ..... WV

223.2200 / 224.8200
KK4C ATLANTA ..... GA
WR4MG HAWKINSVILLE ..... 107.2 GA
WR4AMS HAZARD ..... KY
N4DWU CANTON ..... NC
KD4LHP KERNERSVILLE ..... 107.2 NC

223.2400 / 224.8400
W4TL GAINSVILLE ..... 131.8 GA
WR4MG WARNER ROBINS ..... GA
WA4NC BANNER ELK ..... NC
WA4DAN GRIFTON ..... NC
KC4WGH COALFIELD ..... 88.5 TN
KC4PRD NASHVILLE ..... TN
N4PVL BEDFORD ..... TN

223.2600 / 224.8600
KC4JNN ALPHARETTA ..... 100.0 GA
K4NOC BISHOPVILLE ..... SC
KQ4Q PEARISBURG ..... 103.5 VA

223.2800 / 224.8800
WD4LUQ YORKVILLE ..... 77.0 GA
N4AI SOMERSET ..... KY
N4DRL MARSAW ..... MS
K4AIH ANDRWS/ROBINSVL ..... NC
K4DQ FANCY GAP ..... 100.0 VA

223.3000 / 224.9000
W4LMA MARIETTA ..... GA
N4EQT LAWRENCEBURG ..... 107.2 KY
N4EOY COLUMBIA ..... SC
WM4T GRAY ..... TN
WD8JGI SWEETWATER ..... TN
AA4HQ DELTAVILLE ..... VA
K4YDG ROANOKE/TINKER ..... VA

223.3200 / 224.9200
W4CSX SNELLVILLE ..... 100.0 GA
W4NYK GRNVL/DOWNTWN ..... 88.5 SC
W4LOC SIGNAL MT ..... TN
WA8O BLUEFIELD ..... VA

223.3400 / 224.9400
WB4KXO AUGUSTA ..... GA
KB4GDS WALESKA ..... GA

AD4RU IRVINE ..... KY
N4JJ FLORENCE ..... SC
WB4NKM GREENEVILLE ..... TN
WA4PCD NASHVILLE ..... TN
AB4EM ROA/CAHAS MT ..... VA

223.3600 / 224.9600
PT2RFL ATLANTA/MARIETTA ..... 100.0 GA
KC4ZTJ CHERRYVILLE ..... NC
W3PS GOLDSBORO ..... 156.7 NC
N4QVI GREENSBORO ..... NC
W4LOS HENDERSONVILLE ..... NC
WR3S SE NASHVILLE ..... TN

223.3800 / 224.9800
K4JSR CUMMING ..... GA
WR4AMS LONDON ..... KY

440 MHZ

426.0500 / 420.0500
KB4CVN LYNCHBURG ..... 136.5 VA

434.0000 / 421.2500
W4ZTL ATLANTA/BELL ..... GA
K4NLX SAVANNAH ..... GA
KJ4SO DURHAM TV HILL ..... NC
KO4AT GREENSBORO ..... NC
WD4ATV JOHNSON CITY/BUF..... TN
WA4GSS HUNTINGTON ..... WV
KB8QHO WHEELING ..... WV

439.2500 / 421.2500
W4BEJ ELIZABETHTOWN ..... KY
W4PPN CHARLOTTE ..... NC
N4GUP LEXINGTON ..... SC
WZ4O SUMTER ..... SC
AF4TZ NASHVILLE ..... TN
N4XND GLOUCESTER ..... VA
WA4HTB BOWLING GREEN ..... KY
KA5NOJ GAUTIER ..... MS
N3XA WAYNESBORO ..... VA
WA4VHP SAVANNAH ..... GA
W4NYR #SHELBY ..... NC

438.7750 / 433.0750
WA3KOK CHESTERFIELD ..... VA

438.8000 / 433.2000
WD4ICX FANCY GAP ..... VA

438.9250 / 439.2500
N4FHL ROA/POOR MT ..... VA

446.2500 / 441.2500
NQ4Y MONTEAGLE MT. ..... TN

446.3500 / 441.3500
KD4DXR #WALESKA ..... GA
WA4USN KNIGHTSVILLE ..... SC

446.4500 / 441.4500
WA4USN MT. PLEASANT ..... SC

446.5250 / 441.5250
N4KJU PAINTSVILLE ..... 127.3 KY

446.6000 / 441.6000
WA4AYB RICHMOND ..... VA
WA4AYB RICHMOND ..... VA

446.6250 / 441.6250
W4ERT TAYLORSVILLE ..... 151.4 NC

446.7250 / 441.7250
W4ERT TAYLORSVILLE ..... 151.4 NC

446.7750 / 441.7750
KD4YGK LEBANON JCT ..... 203.5 KY

446.8000 / 441.8000
KC4YNF ACWORTH ..... 77.0 GA

446.8750 / 441.8750
KD4TZZ MURFREESBORO ..... 107.2 TN

446.9000 / 441.9000
WB4GQX CUMMING ..... 141.3 GA

446.9250 / 441.9250
W4CSX DALLAS ..... 162.2 GA

446.9500 / 441.9500
KE4OKD SANDY SPRINGS ..... 103.5 GA

447.0000 / 442.0000
WB6RTH ALPHARETTA ..... 107.2 GA
AF4UL MACON ..... 100.0 GA
N4ORL LOUISVILLE ..... KY
KC4IEV GAFFNEY ..... 114.8 SC
WB4NNX HOHENWALD ..... TN
KF4BTL MARYVILLE ..... TN
W4LG GASBURG ..... VA
WB3T WYTHE/WALKER MT ..... 103.5 VA

447.0250 / 442.0250
W4CML ATLANTA ..... 127.3 GA
K4SCS RALEIGH ..... 156.5 NC

447.0500 / 442.0500
N1KDO MARIETTA ..... 107.2 GA
KD4ADJ LEXINGTON ..... KY
WA1YYN EFLAND ..... 107.2 NC
KD4XV JASPER ..... 127.3 TN
WB4SQC JOHNSON CITY/HOL..... 100.0 TN
WA4BJY MEDINA ..... TN
W4PSL BEDFORD ..... VA

447.0750 / 442.0750
W8BLA ROSWELL ..... GA

447.0750 / 442.0750
N4VOS STANTON ..... KY
KD4PBS APEX ..... 114.8 NC
K4JLA COLUMBUS ..... 103.5 NC
WA4JDW WILMINGTON ..... 88.5 NC
KJ4BJ DAYTON ..... TN
KF4UCI CHARLOTTESVILLE ..... 151.4 VA

447.1000 / 442.1000
K4HUM NORCROSS ..... GA
N4PBL LOUISVILLE AREA ..... KY
N4IV WENTWORTH ..... 103.5 NC
K4USC UNION ..... SC
KF4TNP LEWISBURG ..... 107.2 TN
WD4PAX MILAN ..... TN

447.1250 / 442.1250
KD4GRU BLUERIDGE ..... 146.2 GA
KG4IWI HENDERSON ..... 88.5 NC
WR4PKZ PICKENS ..... SC
KB4YFV HILLSVILLE ..... 103.5 VA

447.1500 / 442.1500
N4SE ROSWELL/BELL ..... 100.0 GA
KD4RTR DORTON ..... 167.9 KY
W4UNC CHAPEL HILL ..... 131.8 NC
WJ9J CHATTANOOGA ..... TN
KA4BNI DRESDEN ..... TN

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

WD4RBJ PULASKI .....118.8 TN
KD4SUU CHESTERFIELD ..... VA
447.1750 / 442.1750
N4BZJ DALTON .....118.8 GA
K4NGQ FRANKFORT .....67.0 KY
N4LWK ROXBORO .....156.7 NC
WA4US WILMINGTON ..... NC
W4GMM MEMPHIS .....107.2 TN
447.2000 / 442.2000
KF4SKT BLAIRSVILLE ..... GA
N3APR DECATUR ..... GA
N5DWU ELLISVILLE .....167.9 MS
WA4US WILMINGTON ..... NC
N7GZT ORANGEBURG ..... SC
WM4T GRAY .....100.0 TN
WA4BJY OAKFIELD ..... TN
N4IFC LYNCHBURG/T.ROW .....103.5 VA
447.2250 / 442.2250
WB6RTH #ATLANTA .....107.2 GA
WJ9J RCKWOOD/OZONE ..... TN
NO4Q WAVERLY .....110.9 TN
WB4GUG STUART .....107.2 VA
447.2500 / 442.2500
N5DWU ELLISVILLE .....167.9 MS
KB4PQA GREENVILLE ..... SC
WD4DES CLEVELAND .....118.8 TN
WA4HTI COVINGTON ..... VA
447.2750 / 442.2750
K4DDH MACON .....100.0 GA
N4ZCM AUBURN ..... NC
KO4NTZ LEXINGTON ..... NC
KF4CFO ETOWAH .....141.3 TN
KE4PFW HENDERSON ..... TN
447.3000 / 442.3000
KW4KW RINGGOLD .....118.8 GA
WW4T STATHAM ..... GA
KC4QPR MORG/WALKER TOP .....94.8 NC
WB4UY ZEBULON .....88.5 NC
KC4ED SUMMERVILLE ..... SC
WA4UCE COOKEVILLE .....107.2 TN
KC4VDZ RICHMOND .....114.8 VA
447.3250 / 442.3250
W4JLG MABLETON ..... GA
K4JBV INDEPENDENCE .....100 KY
WM4MD MIDDLESBORO .....67.0 KY
WD4ICX ASHEBORO ..... NC
447.3500 / 442.3500
WD4NHW BALDWIN ..... GA
KD4TAH RUSSELLVILLE .....136.5 KY
KF5TU LAKE GASTON .....100.H NC
WA4YGD LINCOLNTON ..... NC
447.3750 / 442.3750
KE4QFG MARIETTA ..... GA
KE4YRE SHELBYVILLE ..... KY
WA4PXV HICKORY ..... NC
447.4000 / 442.4000
N4UER WARM SPRINGS ..... GA
KF4JJD GARRETT .....79.7 KY
AA4XV LATONIA ..... KY
KD4WJD ZEBULON ..... NC
WB4QHF PICKENS/CSRS HD .....127.3 SC
KF4YI LYNCHBG/JACK MT.....107.2 VA
447.4250 / 442.4250
K4HCA CLARKESVILLE ..... GA
KC4FIE MADISONVILLE ..... KY
K4AE LEXINGTON .....107.2 NC
AF4ZJ CHAT/WALDEN ..... TN
447.4500 / 442.4500
W4CML SNELLVILLE ..... GA
KD4CLR LOUISVILLE AREA.....151.4 KY
WA4TQG HENDERSONVILLE ..... NC
N4LMR RALEIGH ..... NC
KD4NEB CLEVELAND .....88.5 TN
W8MOP BLUEFIELD ..... VA
WA3KOK CHESTERFIELD .....107.2 VA
447.4750 / 442.4750
K4NVG LAVONIA .....203.5 GA
KS4QA LOOKOUT MT. .....67.0 GA
KE4DGP WILKESBORO .....107.2 NC
AG4AN FOREST ..... VA
447.5000 / 442.5000
AB4KN PEACHTREE CITY .....77.0 GA
KE4PMP VIDALIA .....88.5 GA
KB4RYM LOUISVILLE ..... KY
K4GFY MOREHEAD ..... KY
KG4JIA CHERRY MTN .....94.8 NC
K4YNY WILMINGTON .....88.5 NC
WB4HAP KNOXVILLE .....103.5 TN
W4CA ROANOKE/POOR MT ..... VA
447.5250 / 442.5250
N4XQM ATLANTA .....203.5 GA
KY4JD FORT WRIGHT .....123.0 KY
WB3T WYTHEVILLE .....103.5 VA
447.5500 / 442.5500
WB4JEH CONYERS .....151.4 GA
WD4ELX LOUISVILLE ..... KY
WA4TOG ASHEVILLE ..... NC
K1BUD PITTSBORO ..... NC
W4RAT RICHMOND .....127.3 VA
447.5750 / 442.5750
WA4BPY CUMMING .....79.9 GA
AE4LW MADISONVILLE .....100.0 KY
W4MLU RALEIGH .....156.7 NC
KU4MC WINSTON-SALEM .....146.2 NC
NU5O MEMPHIS .....77.0 TN
WB4IVB JONESVILLE .....100.0 VA
447.6000 / 442.6000
KD4FOC DUBLIN .....77.0 GA
WA4OKJ MARIETTA .....100.0 GA
KD4ADJ MT STERLING ..... KY
WD4NWV ANDRWS/ROBINSVL .....151.4 NC
N8ITF SPRINGFIELD .....107.2 TN
K4ARO PETERSBURG ..... VA
K4ARO ROANOKE ..... VA
447.6250 / 442.6250
W4ABP GAINESVILLE .....131.8 GA
KE4KIV NEWTON ..... NC
WB4EPG MEMPHIS ..... TN

447.6500 / 442.6500
KE4FHN DANIELSVILLE ..... GA
W4LOC LOOKOUT MTN .....100.0 GA
KD4GEU ASHEVILLE ..... NC
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
447.6750 / 442.6750
KE4PVE ATLANTA .....100.0 GA
KD4BOH ROCKPORT .....77.0 KY
N6CLI CHARLOTTESVILLE .....103.5 NC
NC4SU RALEIGH .....100.0 NC
WA4MPZ #BLUFFTON ..... SC
447.7000 / 442.7000
KC4ZGN ELLIJAY .....77.0 GA
K4NLX SAVANNAH ..... GA
WA4PZN SHELBYVILLE ..... TN
W7CP ROANOKE ..... VA
447.7250 / 442.7250
KE4QFG MARIETTA/ATL ..... GA
KB4YJ LOUISVILLE .....151.4 KY
N5LRQ VOSSBURG .....167.9 MS
N4GLB SIMPSONVILLE ..... SC
W4RDM COLUMBIA ..... TN
KE4MBR DECATUR .....141.3 TN
KF4RMT BASSETT ..... VA
KB8PCW GILBERT ..... WV
447.7500 / 442.7500
N3DAB JASPER .....141.3 GA
WD4KZK ROANOKE/MILL MT .....107.2 VA
447.7750 / 442.7750
K4VJM FLOWERY BRANCH ..... GA
KC4FIE MADISONVILLE ..... KY
KF4CDR CHARLESTON ..... SC
AE4PZ MOUNTAIN REST .....127.3 SC
KE4CIF PULASKI ..... VA
447.8000 / 442.8000
N4NFP ATL/MARIETTA ..... GA
N4AAD YADKINVILLE .....100.0 NC
WD4LUR LAKE CITY .....100.0 TN
KB4MIC SPRING ..... VA
447.8250 / 442.8250
W1CP CLAYTON .....162.2 GA
KC4ENL HAPEVILLE .....167.9 GA
WA1YYN SAURATOWN MT .....131.8 NC
WF4G MEMPHIS ..... TN
KT4PN ONEIDA ..... TN
447.8500 / 442.8500
WB4ULG LUDENCEVILLE .....82.5 GA
W2HR GILBERTSVILLE .....103.5 KY
AG4AZ BREVARD ..... NC
KA4IXK ROA/POOR MT ..... VA
WB8NSL PENNSBORO .....103.5 WV
447.8750 / 442.8750
PT2RFL ATLANTA/MARIETTA .....100.0 GA
K4EFW MACON .....114.8 GA
WA4GSD GREENSBORO .....88.5 NC
KD4DMS SPIVEY'S CORNER ..... NC
KC4WHL HARRIMAN .....136.5 TN
KF4OCK LORETTO .....203.5 TN
447.9000 / 442.9000
K3TD BUFORD .....103.5 GA
WR4MG WARNER ROBINS ..... GA
W4CMR IRVINE ..... KY
WW4DC THOMASVILLE .....88.5 NC
N4WT CHATT/HIXSON ..... TN
KE4CES JACKSON .....114.8 TN
W4MT NEWPORT NEWS .....100.0 VA
447.9250 / 442.9250
KC4YHM EATONTON ..... GA
K4CH LEXINGTON .....107.2 NC
WD4QAR GEORGETOWN .....107.2 TN
KB8QKM CHARLESTON .....71.9 WV
447.9500 / 442.9500
AA4AI ATHENS .....179.9 GA
N4XGI ST SIMONS ISLAND .....131.8 GA
W4ERT TAYLORSVILLE .....151.4 NC
KC4YLL PARIS .....123.0 TN
AB4FU LYNCHBURG ..... VA
447.9750 / 442.9750
WA4YNZ ATLANTA ..... GA
WA4YNZ #ROSWELL ..... GA
KF4DAR KERNERSVILLE .....107.2 NC
NK4W LITTLE MT .....162.2 SC
KB8KSP ABINGDON .....100.0 VA
448.0000 / 443.0000
W4DRC CHATSWORTH ..... GA
KT4GB BARDSTOWN ..... KY
KI4RA PIKEVILLE ..... NC
N4EOY COLUMBIA ..... SC
W4ZJM MEMPHIS .....*# TN
KM4X WHITETOP MTN .....103.5 VA
WB8EZR HUNTINGTON ..... WV
448.0250 / 443.0250
W4CML ATLANTA .....127.3 GA
KD4IIZ DUBLIN .....156.7 GA
KE4OOL LEXINGTON .....123.0 KY
WB4IKY GIBSONVILLE .....107.2 NC
N4UAG KNOXVILLE ..... TN
KA8YEZ WHEELING .....77.0H WV
448.0500 / 443.0500
NE1H SNELLVILLE ..... GA
W3PG GOLDSBORO .....156.7 NC
WB4PUB NASHVILLE .....107.2 TN
N8FWL BECKLEY .....123.0 WV
448.0750 / 443.0750
KC4ZIZ #MACON .....156.7 GA
WR4BEG SOPHIA/RANDLEMAN ..... NC
KA4AZQ KNOXVILLE .....100.0 TN
448.1000 / 443.1000
N4KHQ DAHLONEGA .....100 GA
N4WJS OWENSBORO ..... KY
KE4QOX SAURATOWN MT .....88.5 NC
KA4JXT MEMPHIS .....107.2 TN
KN4YM POWHATAN ..... VA
KE4QOX BECKLY/OAK HILL .....107.2 WV
448.1250 / 443.1250
KU4ML FOSTER ..... KY
KB4POA CRAB CREEK TWP ..... NC
WA4NNA RALEIGH ..... NC

KT4OL CHATTANOOGA ..... TN
KT4QL CHATTANOOGA ..... TN
KC4PRD GOODLETTSVILLE .....107.2 TN
KA4JXT HICKORY VALLEY .....107.2 TN
KA4JXT MEMPHIS ..... TN
WB3T MARION .....103.5 VA
448.1500 / 443.1500
KF4XH BYRON ..... GA
W4PME ROSWELL/BELL .....100.0 GA
WI4HS JASPER ..... NC
K8MHR ST. ALBANS ..... WV
448.1750 / 443.1750
N4GIS CARTERSVILLE ..... GA
KC4COV FLORENCE ..... KY
KD4HLH LAURENS .....146.2 SC
KF4TNP MT PLEASANT .....107.2 TN
WB8PQC PATRICK SPRINGS ..... VA
448.2000 / 443.2000
K4YC IVEY .....88.5 GA
KD4APP PINE LOG MTN .....103.5 GA
W4DEX #STANFIELD ..... NC
KD2LH YOUNGSVILLE .....88.5 NC
W4WC GRNVLE/VIKING MT.....100.0 TN
W4BS MEMPHIS .....107.2 TN
KB4YKV AMELIA ..... VA
448.2250 / 443.2250
N4QCP JONESBORO ..... GA
KD4TAH FRANKLIN ..... KY
KS4TO WADDY ..... KY
N4ZCM RALEIGH ..... NC
W8LG BECKLEY/BOLT ..... WV
448.2500 / 443.2500
KC4JNN #BISKEY MTN .....100.0 GA
KJ4VF DORTON ..... KY
N4JEX CHINA GROVE .....136.5 NC
448.2750 / 443.2750
KC4KLW ROCKMART .....179.9 GA
KF4TLA ASHEVILLE .....103.5 NC
WA4WTX ROUGEMNT/RED MT .....100.0 NC
WA4AWI LEBANON .....107.2 TN
448.3000 / 443.3000
WB4VNT ATHENS ..... GA
KB5DZJ WIGGINS .....167.9 MS
KC4KUL ARCHDALE ..... NC
KB4TOH COLUMBIA .....131.8 NC
KC4IEV SPINDALE .....123.0 NC
K4TBC LOUISVILLE .....107.2 TN
WA4KJH GATLBG/COVE MT .....127.3 TN
448.3250 / 443.3250
N4JMD STOCKBRIDGE ..... GA
WA4CMO FRANKFORT ..... KY
KF4IXK KERNERSVILLE .....131.8 NC
WB3T BLUEFIELD/ONEIDA.....103.5 VA
448.3500 / 443.3500
N4YYD FT. MTC/CHATSWTH .....71.9 GA
K4ULW LOUISVILLE SW ..... KY
W5CJR PETAL ..... MS
N4JEX KANNAPOLIS .....136.5 NC
ND4N GRNVLE/PARIS MT ..... SC
WA4AWI DEASON .....107.2 TN
K4GX ROGERSVILLE ..... TN
448.3750 / 443.3750
KC4AQS JASPER .....100.0 GA
W1IFL RALEIGH ..... NC
KF4ZIG INDEPENDENCE .....103.5 VA
448.4000 / 443.4000
WB4GWA CONCORD .....118.8 GA
K4XYZ BUCKHORN LAKE .....103.5 KY
N0SU BRYSON CITY .....151.4 NC
WB4GUG SARATOWN MT .....107.2 NC
AD4DN WILMINGTON .....88.5 NC
AC4WW AIKEN .....107.2 SC
WD4DBJ CUMBERLAND CITY ..... TN
WA4QWW MEMPHIS ..... TN
448.4250 / 443.4250
KD4CPO BRUNSWICK ..... GA
AE4JO ETOWAH VALLEY .....103.5 GA
KB4MDE JASPER ..... GA
KD4RTR MILLARD ..... KY
KD4EVB OWENTON .....118.8 KY
WA1YYN RES. TRIANGLE PK.....156.7 NC
448.4500 / 443.4500
KB4VAK HIGH PT/LOOKT MT.....77.0 GA
AE4NU COX'S CREEK .....151.4 KY
KC5LCW GAUTIER .....123.0 MS
N5WXD WEST POINT ..... MS
N4VOZ STATESVILLE ..... NC
KC4RBA LYNCHBURG .....186.2 VA
448.4750 / 443.4750
W4EEE BOGART ..... GA
KC4COV FLORENCE .....192.8 KY
KE4UIU CANTON .....156.7 NC
W4UNC CHAPEL HILL .....131.8 NC
WZ4SC FORT MILL ..... SC
KB8YDD RICHWOOD ..... WV
448.5000 / 443.5000
N4MTA MARIETTA ..... GA
WD9EQC LOUISVILLE ..... KY
KF4BRO MAYSVILLE .....123.0 KY
WB4UBY META ..... KY
W5SAR WAYNESBORO ..... MS
AB4JJ WEST JEFFERSON .....107.2 NC
N5CWH GILBERT .....162.2 SC
KD4CWB KNOXVILLE ..... TN
448.5250 / 443.5250
N4PQR KNOXVILLE .....114.8 GA
KC4KLW ROME .....179.9 GA
N4EUX LENOIR/CAJAH MT ..... NC
KD4MJO SOUTH HILL .....100.0 VA
448.5500 / 443.5500
KK4IN DACULA ..... GA
KE4WLP GRIFFIN ..... GA
N4HZX GRAEFENBURG ..... KY
W5SAR WAYNESBORO ..... MS
KC4XE ROARING GAP ..... NC
WB4LRD CHATTANOOGA ..... TN
N3ELM YORKTOWN .....100.0 VA
448.5750 / 443.5750

KD4NTF CEDARTOWN .....107.2 GA
NU5O SOUTHAVEN .....77.0 MS
WA4PXV AIR BELLOWS GAP ..... NC
KA6UHV COLLEGEDALE ..... TN
W4LYR LEBANON .....100.0 TN
KC8AUY RICHWOOD ..... WV
448.6000 / 443.6000
KA5WZY ATLANTA ..... GA
KA4UHL NANCY .....100.0 KY
K5HYE JAENSENHALL ..... MS
N4DWU MT MITCHELL ..... NC
W4TLB BIG SANDY .....114.8 TN
W8CXD FOREST .....136.5 VA
KC8PFI CEREDO ..... WV
448.6250 / 443.6250
K4MDS GRAY ..... GA
KF4QYP JASPER .....100.0 GA
KF4NTQ GEORGETOWN ..... KY
AA5RZ JACKSON, EAST ..... MS
W4EUS RTP ..... NC
KE4EAN COWPENS .....136.5 SC
KA7UEC COLLIERVILLE .....107.2 TN
AD4QG EVA ..... TN
KC4MJN JAMESTOWN .....100.0 TN
WZ9E BLUEFIELD .....100.0 WV
448.6500 / 443.6500
KE4ZV ATLANTA .....100 GA
KC5BMJ SHELLMAN BLUFF .....118.8 GA
N4WJS OWENSBORO .....203.5 KY
K4AIH ANDRWS/ROBINSVL ..... NC
KD4WAR BURNSVILLE ..... NC
KG4BTN GREENSBORO .....88.5 NC
WA4AXH HOLLENSVILLE ..... TN
K4UMI HAMPTON ..... VA
448.6750 / 443.6750
N4GWO BARNESVILLE ..... GA
KD4FRP CROWDER'S MT ..... NC
AD4LR PARIS ..... TN
KD4IBW SEVIERVILLE .....100.0 TN
K4YD VILTON .....107.2 VA
448.7000 / 443.7000
W4TIY DALLAS ..... GA
KY4KY BROOKS .....151.4 KY
W5CJR HATTIESBURG .....136.5 MS
KE4QOX KVILLE/H POINT .....103.5 NC
WA4LBT LOCUST ..... NC
N4JEH ROCKY MOUNT .....107.2 NC
K4VVM BARTLETT .....107.2 TN
KB4OTK LAFOLLETTE ..... TN
KB8UJG PRINCETON .....123.0 WV
448.7250 / 443.7250
KB2DZA CONYERS .....77.0 GA
KE5LT PICAYUNE .....179.9 MS
KG4WIH GRAHAM .....156.7 NC
KC4KPJ CLOVER .....127.3 SC
KB5YJC NASHVILLE .....107.2 TN
N8SNY WELCH ..... WV
448.7500 / 443.7500
K4GO COVINGTON .....146.2 GA
KC4ZTI GASTONIA/CRWDR ..... NC
WB4EDS ALAMO ..... TN
WA4QHX HAMPTON .....100.0 VA
KC3FB PATRICK SPRINGS .....77.0 VA
448.7750 / 443.7750
W4IXN DULUTH .....82.5 GA
KF4INN VERSAILLES ..... KY
WB4SRV CLAREMONT .....118.8 NC
KD4JFN HAW RIVER .....107.2 NC
KF4Y LAURENS .....141.3 SC
KA4MHJ GREENSBORO .....123.0 TN
448.8000 / 443.8000
N4NFP ATLANTA/MARIETTA .....118.8 GA
K4MSU MURRAY .....114.8 KY
N5IAT NATCHEZ ..... MS
KC4QZL MORGANTON ..... NC
W4HNK SUMMERVILLE ..... SC
KA4AZQ KNOXVILLE .....100.0 TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
W4POX PORTSMOUTH ..... VA
KA8OTX OAK HILL ..... WV
448.8250 / 443.8250
KD4EVB FALMOUTH .....118.8 KY
N5ZNS GLOSTER ..... MS
KC4KRM SHELBYVILLE ..... TN
KF4RMT CHESTNUT KNOB .....107.2 VA
WB4KZI PETERSBURG ..... VA
448.8500 / 443.8500
K4PLM #WALESKA .....192.8 GA
KC4YOZ DALLAS/CLT .....100.0 NC
WA4US WILMINGTON ..... NC
KE4OVN DRESDEN .....107.2 TN
N4ULM FRANKLIN ..... TN
KQ4I DANVILLE ..... VA
KB8TGK HUNTINGTON .....88.5 WV
448.8750 / 443.8750
KD4LXT ATLANTA ..... GA
KC4KPW PINEY KNOB .....103.5 NC
KD4KPV MCKENZIE ..... TN
W4DUM WILLIS ..... VA
W8SP FAIRMONT ..... WV
448.9000 / 443.9000
K4RHJ FLOWERY BRANCH .....100.0 GA
KC4KZT DAVID .....167.9 KY
W4UA HIGH POINT ..... NC
W4GWD GREENWOOD .....107.2 SC
KD4HII CHATTANOOGA ..... TN
WA4COC WHITE HOUSE .....107.2 TN
448.9250 / 443.9250
KQ4XL MONROE .....123.0 GA
W4BAB RINGGOLD ..... GA
N4EQT LAWRENCEBURG .....107.2 KY
KE4KNZ MCEWEN ..... TN
KF4RBR MOUNTAIN CITY .....103.5 TN
KF4AGO SOUTH BOSTON ..... VA
448.9500 / 443.9500
KA4UFM DECATUR .....110.9 GA
KC4TX CANE VALLEY ..... KY
N5ZDF HAZLEHURST .....100.0 MS

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

KD4OWV CHARLOTTE ..... NC
WA1YYN HILLSBOROUGH .....114.8 NC
WA4US WILMINGTON ..... NC
KC4FV ARNOLD A.F.B. ..... TN
KD4OBX KNOXVILLE ..... TN
NA4ER MEMPHIS ..... TN
448.9750 / 443.9750
KB4NPO REX ..... GA
K4TDO HAZARD .....103.5 KY
WA4WGY MAYODAN ..... NC
N4VDE LIBERTY .....103.5 SC
WR9S LAVERGNE ..... TN
KA4WJS ROCKWOOD ..... TN
N8FIP WESTON ..... WV
449.0000 / 444.0000
WB4QDX LAWRENCEVILLE .....100.0 GA
WD4AFY #SAVANNAH ..... GA
AD4RU IRVINE ..... KY
KG5YV CLINTON .....100.0 MS
K4JEQ HICKORY ..... NC
KI4RK SELMA ..... NC
W4ULH FLORENCE ..... SC
WD4BKY GALLATIN .....107.2 TN
KD4CWB KNOXVILLE .....100.0 TN
W4CAR CHESAPEAKE .....162.2 VA
KC8IT MULLENS ..... WV
449.0250 / 444.0250
W4QML LAWRENCEVILLE .....127.3 GA
AE4PO WAYCROSS .....141.3 GA
KD4JFN HIGH POINT .....107.2 NC
KC4WHL HARRIMAN ..... TN
K4RDK MEMPHIS ..... TN
449.0500 / 444.0500
N4NEQ ATL/MARIETTA .....118.8 GA
KE4NLL SALYERSVILLE .....127.3 KY
KB4PTJ WILLIAMSBURG .....100.0 KY
N4PYI NASHVILLE .....107.2 TN
WB3T FANCY GAP .....103.5 VA
KB4OLM STUARTS DRAFT ..... VA
449.0750 / 444.0750
W4FWD CARROLLTON .....131.8 GA
KB8SBN INDEPENDENCE .....110.9 KY
KD4BOH ROCKPORT .....77.0 KY
K4CCR ANDSN MT/DENVER .....88.5 NC
KF4TNP LEWISBURG .....107.2 TN
KC4PDQ MARYVILLE .....100.0 TN
KF4ATY MEMPHIS .....107.2 TN
KD4TBC GRETNA/SMITH MT .....123.0 VA
K8OJC HURRICANE ..... WV
449.1000 / 444.1000
W4BKM MACON ..... GA
W4WSM BOWLING GREEN ..... KY
N4UL LOUISVILLE .....173.8 KY
KB5BRZ MERIDIAN .....131.8 MS
WR4AGC DURHAM ..... NC
KC4AC LANCASTER ..... SC
W4AM CHATTANOOGA ..... TN
KE4FH JOHNSON CITY ..... TN
W4MJT MEMPHIS ..... TN
KE4CKJ STAUNTON/EL KNOB .....131.8 VA
KB4ZIN WILLIAMSBURG ..... VA
N8ILO PARKERSBURG (OH) ..... WV
449.1250 / 444.1250
KE4PVE PENDERGRASS .....100.0 GA
KB8QLC LEXINGTON .....88.5 KY
WB4GUG MCLEANSVILLE ..... NC
KC4ECD LAFAYETTE .....107.2 TN
KA4JXT MEMPHIS ..... TN
N8LVE BECKLEY ..... WV
N8RCG KEYSER .....103.5 WV
449.1500 / 444.1500
W4PME ATLANTA/BELL .....100.0 GA
KD4YGK LEBANON JCT .....203.5 KY
WB4IVB MIDDLESBORO .....100.0 KY
WD4BJT CLERMONT HARBR ..... MS
WB5YCR NEW ALBANY ..... MS
K4JDR CLAYTON .....100.0 NC
AG4EI GASTONIA/CRWDR ..... NC
W4GL SUMTER .....123.0 SC
AF4TZ NASHVILLE .....107.2 TN
KE4LQY SIGNAL MT. ..... TN
KI4ZIC LEXNGTN/ROCK MT. ..... VA
449.1750 / 444.1750
KE4PVE COVINGTON .....100.0 GA
KC4COV FLORENCE .....192.8 KY
W4FBC LILLINGTON .....118.8 NC
W2GLJ GERMANTOWN ..... TN
KC4NNN KNOXVILLE ..... TN
WD4ICX FANCY GAP .....107.2 VA
N8FMD CLARKSBURG .....103.5 WV
449.2000 / 444.2000
WA4DB #GAINSVILLE .....107.2 GA
KR4PF MARION .....100.0 KY
KD4RTR PIKEVILLE ..... KY
WB4YNF AHOSKIE ..... NC
KE4QEA #KING/SAURATOWN .....100.0 NC
WA4US WILMINGTON ..... NC
KF4GHC COLUMBIA .....156.7 SC
KD4HII CHATTANOOGA ..... TN
N4ARK NASHVILLE ..... TN
WB4VWR ENON ..... VA
N8ZVK FLATWOODS ..... WV
449.2250 / 444.2250
KE4SJO WOODSTOCK ..... GA
KF4RDB RINEYVILLE .....151.4 KY
K4GWH GREENSBORO .....146.2 NC
N4ARK NASHVILLE .....114.8 TN
WV8AR CHARLESTON .....123.0 WV
449.2500 / 444.2500
W4BOC DECATUR ..... GA
KF4DC GLASGOW/CVCTY ..... KY
WA4KNI HENDSVL/BERWLW ..... NC
N4EWS LOUISBURG .....88.5 NC
K4SER WILLIAMSTON .....131.8 NC
WA4PAJ BARTLETT ..... TN
WQ4E GREENBRIER ..... TN
WA4TFZ CHARLOTTESVILLE .....151.4 VA
WG4R MEADOWS OF DAN .....103.5 VA

N8ZAR BUCKHANNON ..... WV
449.2750 / 444.2750
K4JLG CORNELIA .....100.0 GA
KE4BBI CULLODEN .....123.0 GA
KF4IFC CORBIN .....79.7 KY
KU4MJ DAWSON SPRINGS ..... KY
W4NC WINSTON-SALEM ..... NC
W4GZX CLEVELAND ..... TN
WA4AXH LEBANON ..... TN
W4RDF ENON .....114.8 VA
KC8QSE DUNMORE .....123.0 WV
449.3000 / 444.3000
KC4GZX #ATHENS/CRAWFORD....127.3 GA
KC4YNY HOGANSVILLE ..... GA
KD4RTR ELKHORN CITY .....167.9 KY
WB4ZZD #LOUISVILLE .....156.7 KY
N4DRL BYHALIA ..... MS
KC5RC HEIDELBERG .....100.0 MS
WJ4JVY ASHEBORO .....118.8 NC
WA4VTX ELIZABETH CITY .....131.8 NC
N4MNH CHARLESTON ..... SC
WB4GBI KNOXVILLE ..... TN
WA4BZU NASHVILLE .....107.2 TN
K4BW ACCOMACK .....156.7 VA
KI4ZR LEXINGTON ..... VA
449.3250 / 444.3250
KF4BMG MARIETTA .....79.7 GA
WA4QFV WHITAKER MTN ..... NC
WA4BZU CLARKSVILLE .....107.2 TN
KB4KSL KNOXVILLE ..... TN
WB3T ROANOKE .....103.5 VA
KA8ZXP GLENVILLE ..... WV
449.3500 / 444.3500
KE4PVE NEWNAN .....100.0 GA
WR4SG VALDOSTA .....141.3 GA
K4CO WALTON ..... KY
WB4IKY GIBSONVILLE .....107.2 NC
KR4LO GRANTSBORO ..... NC
WD4BKY GALLATIN .....114.8 TN
KD4CLA PIGEON FORGE .....156.7 TN
N4CH BEDFORD ..... VA
WB8YST CHARLESTON .....107.2 WV
449.3750 / 444.3750
KB4IZF JASPER .....103.5 GA
KD4DAR PIKEVILLE ..... KY
KB5HAV PEARL .....88.5 MS
N4DTR FRANKLIN .....131.8 NC
KB4WGA HENDERSON .....156.7 NC
KB4YTM HUNTINGDON ..... TN
KR4BT SPARTA .....123.0 TN
N4OWU FANCY GAP .....107.2 VA
449.4000 / 444.4000
WB4UHJ HAMILTON ..... GA
KD4YGK SHEPHERDSVILLE .....203.5 KY
KC4COV WILDER .....131.8 KY
WB4YZF FAYETTEVILLE .....100HZ NC
KC4YOQ FOREST CITY ..... NC
WA4KOG MEMPHIS ..... TN
N4PYI MT JULIET ..... TN
KA4EAJ OAK RIDGE .....82.5 TN
N8LVE ALDERSON/SAM BLK.....100.0 WV
449.4250 / 444.4250
WB4JWM JULIETTE .....156.7 GA
KC4COV DRY RIDGE .....118.8 KY
KF4QZN MORGANTOWN .....179.9 KY
N4ZVN MONROE .....94.8 NC
KC4NNN KNOXVILLE ..... TN
WA4ISI ALTAVISTA ..... VA
KB8TJH SHIRLEY ..... WV
449.4500 / 444.4500
W4DOC ATLANTA .....146.2 GA
KO4OT SIMPSONVILLE .....100.0 KY
KD5AHI ABERDEEN ..... MS
KB5LCL JACKSON .....141.3 MS
W4CO CHARLOTTE ..... NC
WR4AGC HILLSBOROUGH .....100.0 NC
N4DTR WAYNESVILLE ..... NC
WA4US WILMINGTON ..... NC
W4CAT GALLATIN .....107.2 TN
WJ9J SODDY DAISY ..... TN
W8MOP BLUEFIELD ..... VA
449.4750 / 444.4750
KD4GEY COLLISTON ..... GA
N4CLA SWEAT MT/MARIETT ..... GA
KF4QZN MAMMOTH CAVE .....179.9 KY
AD4BI PIKEVILLE ..... KY
KG4BTN GREENSBORO .....107.2 NC
N4ZKR SUMMITVILLE .....107.2 TN
AD4ZK NORFOLK ..... VA
449.5000 / 444.5000
W4MM ALBANY ..... GA
N4BZJ DALTON .....118.8 GA
W5LRG MERIDIAN .....107.2 MS
WD4ICX LEXINGTON ..... NC
N4JEH TARBORO .....100.0 NC
K4NOC BISHOPVILLE .....123.0 SC
K4JP BRSTL/HOLSTN MT ..... TN
WA1NAH MEMPHIS ..... TN
K4CQ LYNCHBRG/TOB MT .....136.5 VA
449.5250 / 444.5250
KD4IEZ CHESTER .....156.7 GA
W4GR SNELLVILLE .....82.5 GA
KJ4VF GRETHEL ..... KY
N5NNI NEW HEBRON ..... MS
W4RNG RALEIGH .....88.5 NC
WA4ZRS WAXHAW .....94.8 SC
N4LV MYB BCH/BRKSVIL ..... SC
KD4IBW KNOXVILLE .....100.0 TN
WA4BGK NASHVILLE .....107.2 TN
449.5500 / 444.5500
WB4JEH CONYERS .....151.4 GA
K4DC LEWISPORT ..... KY
KC4DUU LEXINGTON ..... NC
N4GAS GASTONIA/SPCR MT ..... NC
KA4BOM ROANOKE RAPIDS .....192.8 NC
NQ4Y COOKEVILLE .....107.2 TN
WF4Q MCNAIRY .....107.2 TN
WA4PCD NASHVILLE ..... TN

KB4WTP COPPER RIDGE .....103.5 VA
W4QR HAMPTON .....167.9 VA
W4WHQ LYNCHBURG .....136.5 VA
449.5750 / 444.5750
W4SCR DOUGLASVILLE .....88.5 GA
N4MVY PHELPS ..... NY
KC5CLM PORT GIBSON .....141.3 MS
N4HAJ KINSTON .....88.5 NC
K2PJ MYRTLE BEACH .....85.4 SC
W4BBB KNOXVILLE/RACK .....100.0 TN
WA4WCK NASHVILLE ..... TN
449.6000 / 444.6000
W4PSZ FAYETTEVILLE ..... GA
WA4NKL QUITMAN .....127.3 GA
KF4WMM BRUSHY FORK .....88.5 KY
N4NMC LOUISVILLE .....151.4 KY
KC4FIE MADISONVILLE ..... KY
WA4SJH SPRINGFIELD ..... KY
KB5CQI JACKSON .....100.0 MS
W4BFB CHARLOTTE .....100.0 NC
KC4WXA OXFORD ..... NC
KT4YW NO. CHARLESTON ..... SC
WS4S COOKEVILLE .....107.2 TN
WB4HAP KNOX/ENGLSH MT ..... TN
WA4AUX PROSPECT .....118.8 TN
WC8K WESTON ..... WV
449.6250 / 444.6250
K4EDN BONAIRE .....82.5 GA
W4CBA CUMMING .....123.0 GA
KC5BMJ KINGSLAND .....118.8 GA
W1BPP MOULTRIE .....123.0 GA
KB4QFL HAWESVILLE ..... KY
KE4ISW RICHMOND .....192.8 KY
AB5MU NETTLETON .....192.8 MS
N5OCF RICHTON ..... MS
WB4DVN LUMBERTON ..... NC
WD4EOG CLEMSON UNIV. .....156.7 SC
WT4E COLLIERVILLE .....107.2 TN
KD4TUD JEFFERSON CITY ..... TN
WA4TOA NASHVILLE .....107.2 TN
WZ8E BLUEFIELD ..... VA
KF4JWH SOUTH BOSTON ..... VA
449.6500 / 444.6500
K4YC IVEY ..... GA
KI4IBW SMYRNA ..... GA
WB4FUR STENNIS SPC CEN ..... MS
N5NBG WALLS ..... MS
NE4J MIDDLESEX .....179.9 NC
KJ4HF #SALISBURY ..... NC
WA4US WILMINGTON ..... NC
WB4NKM GREENEVILLE .....100.0 TN
W4CAT SHRT MT/MURFREB .....107.2 TN
N4EHJ RICHMND/CHLTVL ..... VA
449.6750 / 444.6750
KC4CBQ HIAWASSEE .....186.2 GA
N4YTR PEACHTREE CITY .....77.0 GA
KC4VYX ROBINSON CREEK ..... KY
KF4AWA SALVISA .....203.5 KY
N5PS GREENVILLE ..... MS
W4WBT CHARLOTTE ..... NC
KE4JDP #JACKSONVILLE .....88.5 NC
W4GS MYR BCH/CONWAY ..... SC
WA4PCD NASHVILLE ..... TN
WD4MIZ NORFOLK .....107.2 VA
K8WGB GASSAWAY .....123.0 WV
449.7000 / 444.7000
WB4SBT BYRON .....103.5 GA
WD4LUQ DALLAS .....77.0 GA
KF4BJM VALDOSTA .....141.3 GA
N5KOL BOWLING GREEN .....136.5 KY
NC5Y JACKSON ..... MS
KD4BGD LUMBERTON .....114.8 NC
N4JEH ROCKY MOUNT ..... NC
AE4GA STATESVILLE .....94.8 NC
K4AU DANVLE/WHT OAK ..... VA
N4WWB GATE CITY ..... VA
WB8CQV HERNSHAW .....203.5 WV
K8LG MORGANTOWN ..... WV
449.7250 / 444.7250
KD4AOZ WATKINSVILLE .....123.0 GA
KY4K HENDERSON .....203.5 KY
KE4ISR LEXINGTON ..... KY
W4ZCD HICKORY FLAT .....179.9 MS
KG4IWI ROCKY MOUNT ..... NC
KD4MMP WINSTON-SALEM .....107.2 NC
KC4KPJ ROCK HILL .....127.3 SC
WA4AKM FRANKLIN .....107.2 TN
WB0TMC JACKSON .....107.2 TN
N4CKB SEVIERVILLE .....123.0 TN
KF8FO LEWISBURG .....103.5 WV
449.7500 / 444.7500
KC4ELV CONYERS .....162.2 GA
N4ZRF LAKEMONT ..... GA
KC8ERN #ASHLAND .....88.5 KY
KE4AIF HOPKINSVILLE .....103.5 KY
WB9SHH MONTICELLO ..... KY
W5VZF STARKVILLE ..... MS
KC4YOT GASTONIA/CRWDR ..... NC
KD4JFN PITTSBORO .....146.2 NC
K4TC HENDERSON ..... TN
N4PYI MT JULIET .....156.7 TN
WD4KQI FOREST ..... VA
449.7750 / 444.7750
N4NEQ ATL/MARIETTA .....118.8 GA
N4MXC COCHRAN ..... GA
N4IWZ ALCN .....123.0 KY
KC4UPE NICHOLASVILLE .....167.9 KY
K4JDR CARY .....100.0 NC
KR4EX OLD FORT ..... NC
WA4RQF #WALKERTOWN .....103.5 NC
WA4AKM GALLATIN .....107.2 TN
KF4UCI #CHARLOTTEVILLE ..... VA
WD4KZK SLINGS GAP .....107.2 VA
449.8000 / 444.8000
WA4ASI COVINGTON .....88.5 GA
W4BEJ ELIZABETHTOWN .....156.7 KY
KB5CO JACKSON ..... MS
WB4PMQ #GREENVILLE .....131.8 NC

KF4LUC HICKORY .....94.8 NC
K4YEC REIDSVILLE .....107.2 NC
KD4QMS SOUTHERN PINES .....118.8 NC
K0JXI MEMPHIS ..... TN
KD4LP #MORRISTOWN ..... TN
N4PYI NASHVILLE .....110.9 TN
KB4MIC OILVILLE ..... VA
WV8B BECKLEY/OAK HILL .....100.0 WV
W8CUL MORGANTOWN ..... WV
449.8250 / 444.8250
W4DOC ATLANTA .....146.2 GA
KC4UPE BEATTYVILLE .....192.8 KY
KC4VXR SALEM .....100.0 KY
KB5DSN AMORY ..... MS
KF4UY MT AIRY/FSH PK .....100.0 NC
K4GWH RALEIGH .....146.2 NC
KE4FGW MARYVILLE .....100.0 TN
K5FE MEMPHIS .....107.2 TN
N4PYI SMITHVILLE .....107.2 TN
WA4ZBP STAUNTON .....131.8 VA
449.8500 / 444.8500
N4BZJ DALTON ..... GA
N4YXL GREENSBORO .....103.5 GA
KF4UM HINESVILLE ..... GA
AA4NI NEBO ..... KY
AB5DU INDIANOLA .....136.5 MS
KC5LXF PINOLA ..... MS
W4CQ CHARLOTTE ..... NC
K4GMP WILMINGTON .....88.5 NC
WD4MWQ MCMINNVILLE ..... TN
K7AG MEMPHIS .....107.2 TN
AB4SF RICHMOND ..... VA
WD4KZK ROANOKE/READ MT .....107.2 VA
WB8ZER HUNTINGTON/CHAS .....131.8 WV
449.8750 / 444.8750
KE4UAS MCDONOUGH .....123.0 GA
KC4UPE SALVISA .....167.9 KY
N5HTQ MCCOMB .....100.0 MS
N1BEC BALD CREEK ..... NC
KD4RAA RALEIGH .....100.0 NC
WB4U WINGATE .....127.3 NC
KD4QHL PT. PLEASANT ..... SC
KD4UWA CHAT/MNTLAKE MT .....156.7 TN
WA4AKM NASHVILLE .....107.2 TN
KB4WTP BIG A MTN ..... VA
449.9000 / 444.9000
KD4BOO AUGUSTA ..... GA
N4KHQ DAHLONEGA ..... GA
WB4IVB CORBIN .....100.0 KY
W4YWH HIGHLAND HEIGHTS .....123.0 KY
KC4JTV HUDSON .....162.2 KY
W4EWN NEW BERN .....100.0 NC
W4EJ WILSON .....179.9 NC
WB4MMI RAMER ..... TN
W4LYR WATERTOWN .....100.0 TN
N4XRY FANCY GAP ..... VA
N8SCS BELINGTON .....141.3 WV
KE4QOX LOGAN .....107.2 WV
449.9250 / 444.9250
WA4NNO ATLANTA ..... GA
WB4NFG IRWINTON .....77.0 GA
N4PJR JESUP ..... GA
KY4X GLASGOW ..... KY
KO4LI OLIVE HILL ..... KY
N5PYQ SOUTHAVEN .....107.2 MS
WB5TTE VICKSBURG ..... MS
KB4WGA DURHAM .....156.7 NC
K4OBX HATTERAS ISLAND .....131.8 NC
N4XRY MOUNT AIRY ..... NC
AC4RZ EASLEY/SAS MTN .....103.5 SC
WA4AKM COLUMBIA .....107.2 TN
N4VIH DOVER ..... TN
KD4TZD KNOXVILLE ..... TN
KD4FWS FANCY GAP .....100.0 VA
WB8BON ROANOKE/TINKER M..... VA
449.9500 / 444.9500
W4TL CLERMONT .....131.8 GA
WR4MG PERRY ..... GA
N4DUE LEXINGTON ..... KY
WB5YGI PHILADELPHIA ..... MS
N5VGK TUPELO .....192.8 MS
WA1WXL DALLAS/CHARLTE .....136.5 NC
KF4HFQ ROLLINSVILLE .....88.5 NC
KD4PBC CHARLESTON .....103.5 SC
KF4GP CLARKSVILLE .....167.9 TN
W4EYJ CROSSVILLE .....118.8 TN
K4GX GREENEVILLE ..... TN
WB4NNE MEMPHIS ..... TN
WA4KXV VIRGINIA BEACH ..... VA
WB8COV SO. CHARLESTON .....203.5 WV
449.9750 / 444.9750
WA4YNZ ATLANTA ..... GA
K4TVE BRUNSWICK ..... GA
W3LAP COCHRAN .....77.0 GA
WA4YNZ #CUMMING ..... GA
KC4QK ASHLAND .....107.2 KY
WB4CWF NICHOLASVILLE ..... KY
KE4AQP ASHEBORO ..... NC
N4JEH CASTALIA .....107.2 NC
W4YMI NEWPORT CCARS ..... NC
KC4ZTJ POLKVILLE ..... NC
WM3O ORANGEBURG ..... SC
KQ4E MORRISTOWN ..... TN
WA4AKM NASHVILLE .....107.2 TN
AA4ZJ PEARISBURG .....103.5 VA
N8EKT WHEELING ..... WV
443.7750 / 448.7750
W4RKC WINCHESTER .....146.2 VA
439.2500 / 911.2500
KA5NOJ GAUTIER ..... MS
426.2500 / 923.2500
K4CQ LYNCHBURG ..... VA
439.2500 / 923.2500
KY4ATV #LEXINGTON ..... KY

To Have corrections or changes made - Contact your Coordinator.

ALINCO DUAL BAND MOBILES

The DR-605 - inexpensive, yet, fully packed with the features most Amateurs look for. Comes with 9600 bps Packet port, easy to program, with 50 memories plus a call channel. CTCSS encode standard. Optional EJ-24U adds CTCSS decode and tone search features. Cross Band repeat mode.

DR-605 "TQ" $339.95

DR-605TQ 2/70 DUAL BAND RADIO. .

Loaded! DR-610TQ - ONLY $429.95

HF TRANSCEIVER - DX-77T

THE DESKTOP HF XCVR! THAT DOES IT ALL!

DX-77 HF transceiver, with 150 KHz to 30 MHz. GC rcvr., xmits 100W on HF 10 thru 160M and 6M.. 100 memory channels. 9.67(w)x3.7(h)x 8.98(d) and weighs slightly over 8-lbs. All mode, noise blanker, all mode squelch, quick offset, RIT, Hi/Lo power controls. There are two VFOs-more!

DX-77T PRICE - **$699.95**

DX-70TH HF XCVR SPECIAL! $749.95

IRI's TWO METER TRANSCEIVERS

The Alinco DR-135T - 2M Voice/Data FM Transceiver DR-235T for 222 MHz. and DR-435 for 440 MHz.

DR-135 - DR235 - DR435

DR-135TP/TPG WITH TNC $269.95
DR-135T/TG NO TNC $169.95
DR-235T/TG -$239.95
DR-435T/TG - $259.95

The DR-135 has 50W (50/10/5W) CTCSS Encode and Decode, DCS, 100 Memories, plus 10 autodialer memories & Multiple Scan Modes. The DR-135 has Optional Packet & APRS plus Cable clone, backlit mike, Theft Alarm, and much more. Black (TP) or Pewter (TPG) colors. Also has GPS & computer connections. DR-235/435 sold without TNC.

DM-330MV
30A Solid State Switching-$179.95
Variable voltage/current, metered, protections, several outputs. 30A cont.

DM-340MVT (Transformer. Type) - **$169.95**

Other Value-Priced Alincos

DR-M06TH - 6M Xcvr $249.95
DR-M03SX - 10M Xcvr. . . . $164.95
DJ-S46 - FRS Band H/T $84.95
EDX-2-Auto. HF Tuner $299.00

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10:00 AM to 6:00 PM EST MON. THRU FRI. - SAT. - 10 AM - 2 PM
(Saturday Hours will depend on Hamfest Schedules)
Email: james@iriamateurelectronics.com ■ Web: www.iriamateurelectronics.com

DUAL BAND HANDHELDS

ALINCO

DJ-V5TH 5W 2/70 H/T

A Star performer in the Alinco Family. Has 200 memories, CTCSS enc/dec, accepts up to 13.8VDC, 4 scan modes. RX 76 to 999.995* MHz., DSQ, and alpha-numeric readout. Only 2.28x3.81x 3.58-in at 11 oz. 3 pwr. settings to 5W.

5-WATTS IRI PRICED $209.95
*Cellular Blocked

NEW!

DJ-596T 5W 2/70 H/T

A new addition to the Alinco Family. The new Alinco DJ-596T has 100 Memories, CTCSS and DCS enc/dec, accepts 6 to 16VDC, 3 scan modes. Extended RX. Has AM plus Wide and Narrow band FM. Also Mosquito repeling sound. Much more.

5-WATTS IRI PRICED $209.95
*Cellular Blocked

Unique-The New DJ-V5TDC and DJ-V5TDCH

Amazing looking little radios. Alinco took the DJ-V5TH and put a CLEAR case on it. The TDC model has a clear case with DRY CELL battery. The TDCH is clear case with Black 5W Battery and a clear dry cell case.

DJ-V5TDCH $229.95
DJ-V5TDC $179.95

2M-220-440 H/T

70 cm DJ-S41T $79.95

2-Meters DJ-S11T $79.95

The mini twins from Alinco, about the size of most pagers. 20 Memories, AA Batteries, 340 MW, or can use with external DC power conv. Really neat to carry in pocket.

Wow! Credit Card Sized Dual 2/70 H/T - DJ-C5T

The fabulous DJ-C5 has 50 memories, 300 mw output, incl. CTCSS enc/dec. Has long lasting Lithium-ion battery, and detachable flex antenna. Snap-in charger, recharges in 2 hours.

See This one and Others AT IRI!

$149.95

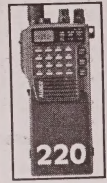
NEW!

DJ-496T 70cm $149.95
440 MHz

DJ-196 5W 2M & DJ-496 4W 70cm H/Ts have 40 mem., direct DC input, S-Meter, autodialer, theft alarm, CTCSS & DCS en/dec.

2-Meters DJ-180TH $136.95

220 MHz DJ-280TH $169.95



DJ-X2T SCANNER

Credit Card Sized Multi-Mode Scanner
700 Memories
$219.95

DJ-X2000T

Intelligent Receiver
With EBP37N And EDC88
$499.95

DJ-X10

Handheld Scanning Reciever
150 KHz thru 2 GHz.
$309.95

PRICES ON THIS AD WERE CURRENT AT PRINTING TIME CALL TO CONFIRM PRICES.

NEW! DJ-X3T
Handheld Scanner
700 Mem - AM & Wide or Narrow FM
$209.95

Prices Subject to change without notice or obligation. NC residents add 6% sales tax.. We accept most any Credit Card. For more information on our products - see our Web Site! Call or email us for a free brochure on all our Alinco products, with pricing.

Worldwide Repeaters?

by Gary Pearce KN4AQ

The two worlds of Amateur Radio are coming closer together, and it's the Internet that's bridging the gap.

The Old World:
Worldwide high frequency communications using cw and SSB.

The New World:
Local VHF/UHF FM and repeaters.

The Future:
Worldwide communications using VHF/UHF FM and repeaters, linked by the **IRLP - the Internet Radio Linking Project.**

And the future is already here in three SERA cities. Hams in Atlanta GA, Greenville SC and Raleigh NC are enjoying worldwide contacts with the clarity and convenience of their local FM repeaters. IRLP linked repeaters are in dozens of other cities worldwide. One could be coming to a town near you.

Using it:

If you don't have an IRLP linked repeater in your town, this might be a little hard to imagine. But picture yourself driving along on your morning commute. You pick up the mic, announce your callsign, and you get a reply from a ham in Sydney, Australia, as he is heading home for the day. You didn't have to battle a pile-up to make the contact, and you feel no pressure to complete it in just a few seconds. You're on your local repeater, and he's on his local repeater. You're both full-quieting, with signals as clear as someone would be just on the other side of town, instead of the other side of the world. As your conversation progresses, you might be asking if traffic there is frequently interrupted by herds of kangaroo jumping across the freeway, and he might be asking if you've seen one too many Crocodile Dundee movies.

Later, you're just monitoring. The repeater that used to sit idle hour after hour is now alive with traffic all day (and maybe all night) long. Hams are talking from the northeast, the midwest, California, Hawaii, the Carribean, all over Canada and the UK. They are having ordinary ham conversations. That is, they are saying nothing, or something. They talk about the weather, their radios, traffic. The IRLP network itself is a frequent subject of discussion, and it seems like there's always someone new coming on for their first conversation, often after having listened for days or weeks. And now and then you hear one of those rare contacts where hams in different parts of the world actually talk about cultures and customs, geography, climate - things people expect hams to talk about, but we hardly ever do.

The only thing you're asked to do that's different from making a local repeater contact is leave more space between transmissions, and hold your mic button down for a second or so before you talk. The technology behind the IRLP is second-generation. This was tried before in the mid 90's and it didn't work very well. This time, it works pretty well, but there are some short delays in getting keying and audio through the system. Of course, asking hams to leave a pause and wait before speaking is like asking them to blean and squench the fribbage prack. The words make no sense, and are promptly forgotten. But we had to mention it for the record.

The result of not pausing is that the first bit of whatever someone says is just not repeated. It's not usually a big problem, but there are a lot of missed callsigns. And it can be hard to break into an ongoing IRLP contact. There is also a unique new form of "doubling" when two hams try talking at the same time. When you key up, your local repeater begins sending data packets over the Internet to a server that then distributes the packets to all the other repeaters that are currently on the system. If two repeaters send packets, the first one to get packets to the server wins completely. There's no heterodyning, and audio is not mixed. But if the double goes on for a minute or so, Internet delays can cause the packets from that first repeater to be interrupted, giving packets from the second repeater a chance to capture the server. So for all the people listening, the voices may blip back and forth as long as the two hams continue to double.

There are a few other problems unique to an Internet based linking system. The Internet is not a totally

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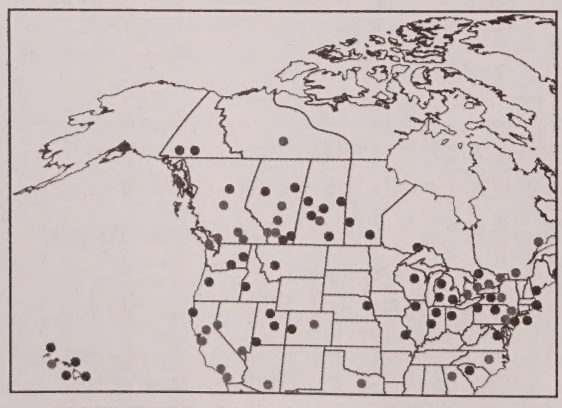
For more information on IRLP, visit their web site: www.irlp.net



This map shows repeaters across North America that are linked to IRLP. SERA cities covered include Atlanta GA, Raleigh NC and Greenville SC. There are more linked repeaters in Australia, the Caribbean and the UK.

reliable delivery system for audio, so sometimes it just takes too long for what you said to make it to the server. The result is a silent hole for a half second or maybe a little longer. Noisy signals seem a bit more irritating when propagated around the world, so they ask you to use the system only when you have a pretty good chance of being full-quieting into your local machine.

And it's hard to diagnose the source of a problem with a signal that just isn't making it. Is it his local repeater? Your local repeater? The Internet? Hard to say… so the hams will say it over and over. Yep, no doubt about it, this is ham radio.

Is this Ham Radio?

Or is it? Some hams are saying it is not. Since it's not *radio* that's linking the repeaters, IRLP is not true ham radio.

But it is! While Junior and Sis have been able to connect a microphone to their computer and chat worldwide on various instant messengers for the past couple of years (ask them how, if you're not too embarrassed), that has not generated much interest in the ham community. But use similar technology to connect some repeaters together, and the interest soars. Jim Price WW4M said that the first time he heard a California ham coming through the repeater he had just connected to IRLP, the hair on the back of his neck stood up.

"Have you heard that repeater that links to Australia?" is a common question on the other repeaters in town, and at club meetings. The local hams can't remember the initials, maybe, but IRLP has hams paying attention.

What helps makes it ham radio is that ham radio is the only way into and out of IRLP. You can't get in through the Internet (though you can listen to streaming audio from some of the repeaters that are connected). The Internet is just the linking path. The user connection is strictly ham radio. It sounds like ham radio. It feels like ham radio.

But ham radio with a difference. One code-free Tech said, "Now I don't have to learn code and upgrade!" She will be disappointed when her access to worldwide

Continues on next page

IRLP - A User's Perspective

by Mark Gibson, N4MQU

I was half-way listening one night to the Johnston Amateur Radio Society's (JARS) rag-chew net on 147.27 and heard Byron King K4NGJ, one of the control operators of the Cary Repeater Association, talking about linking the repeaters to the internet and talking to a station in Australia. At first I wasn't too impressed. I can talk to Australia on HF. After the second and third time I heard K4NGJ talk about this, I decided to listen. I tuned in 146.775 in Raleigh and immediately heard Colorado, Florida, and Canada. After listening to see what procedure was being used to make contact I threw out my call sign and location. My first contact was with a station from Canada. It was great.

I checked the web site (www.irlp.net) to find out where the available IRLP-capable repeaters were located and found out that Atlanta, GA had more than one. A friend who inspired me to get my start in amateur radio, Andy Clegg W4JE, lives near Atlanta and I wanted to make contact with him via the IRLP. It turned out that the owner of one of the Atlanta repeaters, Chuck Link W4CML, worked on the same floor as Andy. After finding out that they did not have a DTMF tone pad between them, I made contact with K4NGJ and asked if he could link up Raleigh and Atlanta. After K4NGJ punched in a few buttons I called for W4JE and presto we were in contact on two meters via IRLP.

Not long after that, I had a scheduled trip to the Atlanta area, and I found out one of our local UHF repeaters was available for "Direct Connect" link. After arriving at my destination in Atlanta, W4JE asked for the two control operators of the 440 repeater. Once the proper contact was made, I acquired the microphone and made an introduction and requested the node 427 be linked. After the link was established, Dan Musten KD4RAA immediately responded to my call, followed by K4NGJ. It was really a thrill for me to talk from a city outside of my home territory to a repeater at my home location.

After talking to K4NGJ, I requested that I be able to talk to my wife, KD4JMJ, on the two-meter node because my wife did not have a 440 transmitter. The node in Raleigh was on Reflector 2 and had to be turned off so the node in Atlanta could connect. After a few more magic buttons were pushed I was on the link between the 440 repeater in Atlanta and the 2 meter repeater in Raleigh. Since it was about 15 minutes before my wife was scheduled to get off of work, I chatted with a few more hams from the area, and finally to my wife. After telling her that I arrived safely with our daughter and exchanging a few pleasantries, I communicated with other members of the JARS club. I know I could have used my friends' telephone to call Linda, but the point is I could use my amateur radio to get the job done.

It was my pleasure to meet W4CML in person the next day. I found out that the sole purpose of his repeater was for connecting to others via IRLP.

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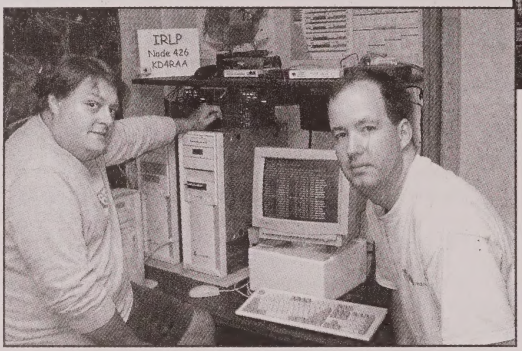
communications fizzles 30 miles outside of town. IRLP may be everywhere someday, but not today. Today you get small pools of coverage, mostly in urban areas.

Other comparisons with HF are inevitable. IRLP is unaffected by propagation - the band is always open. It's usually not noisy. And at least so far, it's not dominated by nets and conversations that seem to have started 20 years ago and continue, day after day, among the same groups of people who "own" a frequency on one band or another.

But HF does cover everywhere, at one time or another. On HF, it's your equipment and the other guy's, and you're doing it by yourselves (with a boost from nature). It's immensely satisfying when signals are strong, and challenging when they're not. So IRLP is not an HF replacement. It's something new. And maybe a code-free Tech will get a taste of worldwide communication and decide it's time to upgrade after all.

Reflectors, and Point-to-Point

The operation we've described so far is only one of two IRLP modes. In this mode, many repeaters are linked together through a single server called a **Reflector**. Everybody talks to and listens to everybody else. There are actually a half-dozen of these Reflectors, and the control operators or sometimes the users of member repeaters can use touch-tones to connect the repeater to one or another of the Reflectors and leave it there for hours or days. And as described above, Reflector operation can be exciting. But as Penn McClatchey K4PM, President of the Atlanta Radio Club says, "A Reflector generally takes over a repeater. I think they are inappropriate for a high traffic machine like our 146.82 machine." A repeater on a Reflector becomes a spigot for the world to pour into town, but the repeater is no longer available for local contacts, since those local contacts are tying up repeaters around the world.



Dan Musten KD4RAA and Jim Price WW4M pose before the computers and radios that link the NC4SU 146.775 repeater in Raleigh to the world via IRLP.

In Atlanta, Penn is preparing to make one of the club's quieter UHF repeaters a Reflector connection. But in Raleigh NC, Dan Musten KD4RAA and Jim Price WW4M are doing it the other way around. They've taken a quiet 2 meter machine on 146.775 and made it the talk of the town by connecting full-time to one of the Reflectors. Raleigh has plenty of local repeater capacity, and the 775 machine was

From this perch high above Atlanta, the W4DOC 146.82 repeater is too busy to be a full-time Reflector machine. You'll find it available for Point-to-Point linking anytime.

rarely used. Dan said "A Reflector is a good way to bring life to a lifeless repeater."

The alternative to a Reflector is point-to-point linking, or what IRLP calls **Direct Connect** (sorry, Nextel). In fact, most of the nearly 200 repeaters set up for IRLP choose *not* to attach to a Reflector. Instead, they are available for direct connection to and from any of the other system repeaters. A user on one of those repeaters won't hear worldwide chat all day every day, but when he or she wants to talk to someone in Honolulu or Perth, they just hit some touch-tones and they are instantly connected. Once again, the operation is just like hams talking on their local repeaters.

You don't have to have globe-girdling ambition for IRLP, though. Dan Musten was originally attracted to joining IRLP because he wanted to

Continues on next page

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Worldwide Repeaters ....concludes

link several repeaters together that were just out of RF range in North and South Carolina. He'll be adding Direct Connect to his UHF repeater in Raleigh, and the other repeaters he's been trying to link up. The Reflector connection he made available on VHF was just icing on the cake.

Lee Barnett N4GLB operates a UHF machine in Greenville SC, the only other SERA city currently on the network. His 444.725 machine is also on Direct Connect. Lee and Penn both report moderate activity in that mode - a few contacts a day. Lee says that there are several repeater users who dial up friends routinely.

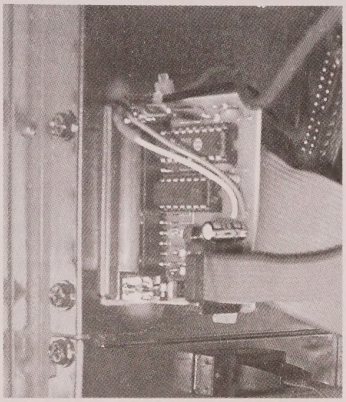
Behind the curtain.

The IRLP is the creation of Dave Cameron VE7LTD, of Vancouver, British Columbia. Frustrated by the limitations of the first Internet repeater link plan based on Windows and I-Phone, Dave developed new hardware and Linux based software, and adapted a freeware voice-over-IP program called Speak Freely. IRLP is hosted on several servers located across North America.

At the local repeater end, you need a computer running Red Hat Linux, an IRLP interface card, a full-time Internat connection (DSL and cable work fine, and you don't need a fixed IP address), and a way to get the audio to and from the computer and the repeater. The Atlanta club uses a UHF link. In Raleigh, a VHF radio on the repeater's channel does the job. You could put the computer right at the repeater if you have an Internet connection there.

The interface card processes the audio, provides keying to the link/repeater, and detects signals from the repeater to feed to the server. VOX is not used - there is real push-to-talk keying controlled by software. For more details on IRLP technology, visit their web page at **www.irlp.net.**

Penn McClatchey says it isn't all that hard to get things working, if you're familiar with Linux. He said it was more trouble getting the link



Dave Cameron VE7LTD supplies this small interface card and the software that operates in a Linux-based computer. You supply the rest. They'll help get you up and running on Linux, but a local guru is a good idea.

radios working than getting the IRLP computer on-line. "Being ham radio," he says, "there is always fiddling. If it were a commercial application, I probably could've left it alone after a few hours. I am logged into my IRLP machine right now via SSH from work, and you'll sometimes catch me fiddling with the configuration to this day!"

Dan Musten found it a bit more daunting. He turned to Jim Price for the Linux end of things. The radio work was more familiar - just getting audio levels and PTT timing set right. Dan and Jim were particularly impressed that after they got their computer on line, Dave Cameron loaded and configured the IRLP software remotely from Canada. And Dave doesn't miss anything from that distance - he noticed that they were not using the specified genuine SoundBlaster audio interface.

Where to from here?

IRLP can be a high-reliability system. The weak link most system operators report is their local Internet connection. The Linux computer platform is much more stable than Windows and runs for months without crashing. The Internet itself is designed to be "adaptive" in routing signals around hardware failures. Dan Musten notes that by using a VHF link radio that makes the IRLP system "just another repeater user," he can move the IRLP to any other local repeater that can accommodate the need for zero hang-time (either through CTCSS that drops instantly, or a real zero hang-time repeater drop). None of the SERA member repeaters report any specialized use for emergencies or events yet, but they see it coming.

IRLP is experiencing explosive growth, adding new repeaters as fast as Dave and his assistants can supply the hardware and get them configured - more than a dozen a month. Undoubtedly there will be continued technical innovation, but the basics are in place for a system that works. And growth potential is unlimited. When a Reflector becomes too busy, they can add another one.

And since we're on the downward slope of the current sunspot cycle, it looks like it's just in time. ■

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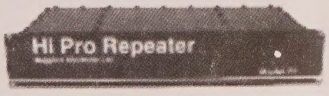

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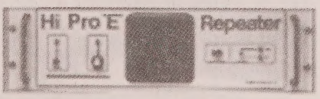

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North Carolina - News -

MIKE LEWIS, WA4KE
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3401 Apple Meadow Dr.
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The public service events have dominated the notable actions of the North Carolina Amateur Radio Operators this quarter. Please continue with the support of local events and emergency planning activities.

* * * * *

The **Raleigh Amateur Radio Society**, W4DW/W4RNC, has an excellent calendar concerning upcoming public service events for Wake County and surrounding areas. Also, the RARS club will be participating in the MS150 Bike Ride Sept. 18 and 19. Take a look at http://RTPnet.org/~rars/ for more info.

* * * * *

The **Guilford County ARES** organization provided communications for the Highland Games in Archdale, NC. Also, during the event, a special HF station was set-up with a HF beam used to contact Scotland. The event used a special 1X1 callsign, N4C, and QSL requests should be sent to KE4IAM, Jon Matlock.

* * * * *

KR4QH coordinated the communications efforts for the Tour de Tanglewood, Sept. 22 and 23. Ham radio operators from Guilford and Forsyth counties were encouraged to participate.

* * * * *

W4UNC, the **Orange County Radio Amateurs**, provided communications support a Familias Del Pueblo 10K road race in Chapel Hill and Carrboro on September 9. The local police departments expressed a desire for radio operators to help visually cover the more remote areas of the course

* * * * *

The **Gaston County Amateur Radio Emergency Services** teamed up with the American Red Cross to sponsor a class dealing with Damage Assessment. In conjunction with this class, the McDowell Amateur Radio Association presented an Emergency Shelter workshop.

* * * * *

The **Cape Fear Amateur Radio Society** has purchased antennas for five emergency shelters. The club will be installing the antennas in the near future.

* * * * *

The **Foothills Amateur Radio Club** and the **Alexander County ARES Group** teamed up for a group effort to provide communication support to the Wilkes County Triathlon. The triathlon was held on August 18 and provided support to the Wilkes County YMCA, US Army Corps of Engineers and NC Highway Patrol.

* * * * *

The **Mecklenburg Amateur Radio Society** supplied communications assistance to MS-150 Breakaway to the Beach and the Charlotte Crop Walk. The Crop Walk is the largest in the country with over 10, 000 walkers.

* * * * *

As I check out various **club web sites** throughout North Carolina, the most common item is the posting of VE Test sessions. The posting of this information is very valuable to a prospective ham stumbling upon your site or being guided by the ARRL Affiliated Club Web site. (By the way, each club should ensure that their ARRL club information page is updated at least once a year and when changes occur to officers' status or club status.) The continual posting of this type of information will help to bring new people into this hobby and help to ensure Amateur Radio's existence.

* * * * *

The **Cary Amateur Radio Club**, N4NC, was recently recognized for their 25 years of being an ARRL affiliated club. Also, the **Smith Chart Amateur Radio Society**, has been recognized as a Special Service Club by the ARRL.

* * * * *

NZ0I, Charles Scharlau, grabbed silver medal on 2 meters and bronze medal on 80 meters at the USA National Amateur Radio Direction Finding Championships that were held near Albuquerque, New Mexico. For more information on this facet of Amateur Radio, visit Charles' website at www.qsl.net/nz0i/. Also, Charles has an excellent program on Foxhunting and equipment.

* * * * *

A Wilmington ham was awarded the ARRL Philip J. McGan Memorial Silver Antenna Award. **William Morine, N2COP,** of Wilmington, North Carolina, demonstrated outstanding volunteer public relations success on behalf of Amateur Radio.

* * * * *

The **High Point ARC** had a special event station at the 2001 NC Furnishings Festival. The club made contacts on 20 and 40 meters. The club will also have a special event station at the YesterYear In Motion Antique Machinery Exhibition on Sept. 22.

* * * * *

The **Azalea Coast Amateur Radio Club**, AC4RC, will be sponsoring a special event station from the USS North Carolina, BB-55, on October 20.

* * * * *

The **Mecklenburg Amateur Radio Society** sponsored a special event station to celebrate the 20th anniversary of Discovery Place in Charlotte.

* * * * *

N4RS, Tom Pennebaker, was the first recipient of the Worked All North Carolina Counties Award. Tom is a member of the Rockingham Amateur Radio Society.

* * * * *

As the end of the year approaches, the Hamfest schedule also winds down. The Johnston Amateur Radio Society, K4SWR, will be having their annual **JARS Hamfest** on November 18, 2001at the American Legion Complex on Highway 301 in Benson. Visit their website at www.jars.net/jarsfest.htm for information concerning tailgating and exams. Talk in will be on 147.270. Remember to support your local hamfest or they will disappear.

* * * * *

This being is the last edition for 2001, we need to announce that the **Elkin Hamfest** will be starting off the NC Hamfest lineup for 2002. The show will be at the Elkin Armory on Feb. 24. This date was changed due to a conflict with the Richmond FrostFest, which had to move to Feb. 10 for 2002.

* * * * *

Since Christmas time is approaching rapidly, why not think about an electronic kit for your young gift recipients. Not only will this give you a reason to spend some quality time with a youngster but it may help bring a new person to the hobby. Remember to let the "younger" kid assemble the kit and the "older" kid to provide assistance and explanations of operations.

* * * * *

Please update your club websites and thanks for the club newsletters and information. Please continue to send the news to wa4ke@sera.org.

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What is Happening - In South Carolina

Roger Gregory W4RWG
102 Partridge Road
Union, SC 29379
(864) 427-1462
rgregory@carol.net

Hello South Carolina,

Since the last issue, a terrible attack was made against our Country. Watching the videos of the destruction, reminds me of what one might see on a movie. I cannot imagine the terror our people went through or how the families of the victims are coping with this. I've read that several hams were in the WTC and are missing. I extend my sympathy to the families of all the victims.

* * * * *

I am glad that fall has arrived. The absence of yard work gives me more time for ham radio related activities. I read that Chet Atkins-W4CGP passed away on June 30. Did you know that CGP was his vanity call for "Certified Guitar Picker"? I have not talked to a "celebrity ham" on the bands have you? I have a friend that talked to Ronnie Millsap-WB4KCG, but he didn't tell me about it until he was gone. I called Ronnie for two hours after that to no avail. Enough of this. It's time to see what's going on in South Carolina.

* * * * *

The Anderson Radio Club is in the process of planning their annual hamfest. For several years it has been held in May at Sadler's Creek State Park. The club is discussing alternate locations for the hamfest this year, which will be held on May 18th. This is a nice little hamfest usually with a lot of tailgaters. Please let me know if the location changes, I wouldn't want to miss this one. The ARC has been having programs each month including Hurricane Preparedness given by Walt-W4ZJI, Radio Astronomy by John-W4JSS, and a slide program on the history of Anderson County by Walt-W4ZJI. The ARC will have its Christmas party on December 9 at the Clemson Outdoor Laboratory. The ARC holds a net each night at 8:30 p.m. on the 146.790 repeater.

* * * * *

The Blue Ridge Amateur Radio Society mourns the death of Hugh Anderson-W4FNS. Mr. Anderson was a charter member of the old Greenville Radio Club and longtime member of the BRARS. I extend my sympathy to his family and his club family. Jim Erikson-N9OYL also lost his Father. I extend my sympathy to Jim and his family. Rusty Kirkpatrick-W4IKO has taken over as the new layout editor for "The Live Wire" which is the clubs newsletter. The BRARS is making plans to open their autopatch on the 146.820 repeater to the amateur public. The open autopatch will be available for local calls only. BRARS members assisted the Red Cross with the annual motorcycle rally and poker run. Those helping were J.D. Norris-KF4RVH, Janet Norris-KF4REJ, Dave Odom-W4VOR, Merrill Patten-KF4SXK, and Phillip Yanov-K4PJY. They processed 1600 motorcycles in 4 hours. In July, the BRARS attended Basic Skywarn Training at the National Weather Service Office in Greer, SC. The BRARS welcomes Bruce-N4AOE as a new club member.

* * * * *

The Columbia Amateur Radio Club is looking into the possibility of assisting the University of South Carolina in starting up an amateur radio club. I think this is a great idea since Clemson has one, and my daughter is a senior at USC. The CARC provided communications for the MS-150 Bike Tour on September 22-23 and are making plans to assist with the Juvenile Diabetes Walk at Fort Jackson. Bob Meyers, owner of Meyers Communications presented a program at the August meeting on RF safety that was enjoyed by everybody. CARC President, Paul Judson-K4IRT has several programs planned in the future such as Advanced Skyward Training, and Hurricane Training. Check out the club's website at www.qsl.net/kf4ghc. I was glad to assist the CARC with the Coordination of the 147.330 machine recently. The repeater has a pl tone of 156.7.

* * * * *

The Florence Amateur Radio Club welcomes new members Tim Webber-WD4CHS, Ray Caulder- , Claude White-W4CWW, and Carla Kirkland-KG4ORC a new ham who happens to be the wife of FARC Vice-President John Kirkland-KF4HJS. The FARC publishes a newsletter named "The QSO". Their August issue contained a very nice article on Samuel Morse. The FARC holds a 2 meter net each Monday at 8:30 p.m. on the 146.850 repeater and a 10 meter net each Wednesday at 8:30 p.m. on 28.330.

* * * * *

The Foothills Amateur Radio Club in Pickens welcomes new club members Don-WA4LLM, and Otis-KG4BSK. The FHARC presented Ham Radio to the local boy scouts at the September club meeting. Election of new officers was also held at the September meeting. Those elected are President, Tommy Ellison-K4TWE; Vice-President, Carl Durham-WD4CD; Treasurer, Gretchen Ellison-KE4HGX; and Secretary, Linda Durham-WD4LD. The club holds a 2-meter net each Tuesday and Thursday at 8:30 p.m. on the 146.700 repeater. The pl tone is 107.2. Club members Carl-WD4CD, Greg-KG4MFF, Eric-KO4MZ, AK-W4AKG, Phil-N2ARB and Tommy-K4TWE spent their 4th of July working on the repeater building. I bet they wouldn't have wanted to be anywhere else. They spent their day off working for their club. They deserve everyone's thanks.

* * * * *

The Grand Strand Amateur Radio Club has a new Swap & Shop page on their webpage. The address is www.w4gs.org. There is no fee to list what you have for sale or trade. I understand that there is a 45-day period that your item stays on the list. Sounds good Jim. I'll give it a look. The GSARC has had problems with their 147.120 repeater. After a lot of time and labor by dedicated members it was determined that the antenna had a problem. A new one will be installed as soon as possible. All of us repeater owners/trustees know that it can be a real challenge sometimes locating the problem. Many hours are spent at repeater sites to keep these "machines" running for the amateur community. The old saying "Been there, done that, and bought the tee-shirt"

The GSARC welcomes new members Netty O'Brian-KG4OTD, and her husband John-KG4NUP. The GSARC is preparing for "Beachfest 2001" Their annual hamfest will be held on the Myrtle Beach Air Force Base on Saturday, November 10, 2001. Be there, I will be. By the way Jim, save me a tailgate spot for SERA. Where else can you go to a ham-

(Continued on Page 46)

Jackson (MS) Amateur Radio Club Presents the

Antique & New Radios

Electronics Flea Market

2002 Jackson
Capital City Hamfest
And Mississippi State ARRL Convention

Computers Forums

Door Prizes Fun - Food

Fri. & Sat. Feb. 1 & 2

Friday 5:00 PM to 8:00 PM - Saturday 8:00AM to 4:00PM

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Jackson, Mississippi

$5.00 Admission Valid both Days (12 & Under Free)

Dealer Tables: $20.00 - Flea Market Tables $15.00 (Plus Admission)

Visit our Web Site: www.jxnarc.org

For More Information, Contact:

Ron Brown, AB5WF (601) 956-1448 or Email: ab5wf@arrl.net

South Carolina News

(Continues from Page 45)

fest and take your wife to the beach, and eat some great seafood? Make it a weekend at the Beach. Talk-in on the 147.120 repeater.

* * * * *

The Keowee Toxaway Amateur Radio Club announces the passing of Robert Love-WD4PRI. Club members Johnny-KT4FP, and Jimmy-AF4EE both lost their Father recently. I extent my sympathy to their families. The KTARC welcomes Greg Roane-KG4MFF as its newest member. He has already been put to work for the club by calling the net. The KTARC has a net each Monday, Wednesday, and Friday at 8:00 p.m. Randy-WA4JRJ has been conducting hands-on classes for club members. He has explained how to use oscilloscopes and signal generators. Everyone is enjoying the hands-on experience. At this writing, the KTARC is planning on attending a weather spotters class sponsored by the County Emergency Preparedness Office.

* * * * *

The Laurens Amateur Radio Society had a real nice article in one of their newsletters about SERA and me. I appreciate the kind words, and let me know about coming to speak. Bob Skutt gave the club a presentation on GPS and how it works. The LARS is busy with redoing their club by-laws and constitution. They hope to amend the by-laws to reflect a more positive attitude of the club and its members. I see that the club enjoyed a recorded speech by Riley Hollingsworth. We appreciate what Mr. Hollingsworth is doing for amateur radio. Keep sending me your newsletters. My wife's cousin is the new Sheriff in Laurens. I was glad to see that he spent time with the LCARS at their field day site. Maybe we will hear Sheriff Chastain on the ham bands before long.

* * * * *

The North Augusta Belvedere Radio Club provided communications for the Aiken Road Race in September and is making plans to help with the Run for the Woods to be held in November. Charlie Miller-AE4UX presented a program on Hurricane Preparedness at the club meeting in July, and the August program was conducted by Tony Sealey-K4ADM and was about the perpetual motion pendulum, which he designed and built for USCA and installed at the Aiken Science Center. The NABRC has a net Sunday night at 9:00 p.m. on the 146.730 repeater. Tony works for the University of South Carolina Aiken Campus.

* * * * *

The Salkehatchie Amateur Radio Society reports a great Field Day with over 500 contacts made. Their final score was 1728 points. Not Bad! The club sponsored its first VE session in July, and the VE team wishes to thank Ray Adams-W4CPA, and Brice Umstead-K0CSJ for conducting their training. The SARS welcomes new member Joe Ginn-KG4MAR. Joe is from Estill, S.C. The SARS holds a net on Monday at 8:00 p.m. on the 147.030 repeater with a pl tone of 156.7. Check out the SARS web-page at www.qsl.net/kf4cvo.

* * * * *

The Spartanburg Amateur Radio Club hosted a cookout at Rainbow Lake on October 6. The cooks were Art-KE4EAN, Earnest-KF4HAJ, and Lester-KF4EQC. Helping the cooks were Karen-KF4BLF, and Elsie-KA2CLX. It seems that Billy Burdett-K4NJS lost his 75 meter antenna to Kudzu. The Kudzu climbed the pole supporting the antenna and brought it down. Thanks to Fritz-W4NTO, Joe –W4WZ, and Charlie-KC4DHY, Billy is back on 3.915. The SARC is going to have a mini Field Day at Camp Leigh for Boy Scouts. Mark-N4TIR is sponsoring the event to give the Boy Scouts a chance to earn their Merit Badges. Several club members attended the Ten-Tec Hamfest the weekend of September 29. All had a good time.

* * * * *

The Union County Amateur Radio Club hopes to have their new UHF repeater up by the end of October. The output is 442.100. They have acquired a great location on Pete Berry-KI4PA's commercial tower located on the bypass in Union. This repeater should be workable in Spartanburg, Chester, Gaffney, Laurens and parts of Newberry Counties. The Union Hamfest hopefully will be held on December 8th at the Union National Guard Armory on Industrial Park Road from 8:00 a.m. until 2:00 p.m. Due to recent events beyond our control, the National Guard Armory is off limits to the public at this time. Hopefully the conditions will change before the hamfest date arrives. If the armory is not available, emails will be sent, calls will be made, nets will be checked into, and all means possible will be used to advise the amateur community where new hamfest location will be, if any. Several locations are being looked into.

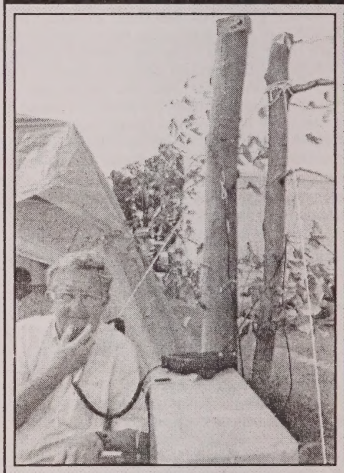
* * * * *

The York County Amateur Radio Society welcomes new members Larry White-KB5WLC, and Mike Barber-KG4NOF to their club. At the time of this writing, the YCARS is getting ready for their annual "Rick Hill" hamfest at Knights Stadium. This is one of my favorite events because there are bunches of tailgaters. I plan to be there soliciting memberships/subscriptions to the SERA Repeater Journal. The YCARS has a business meeting the second Thursday, and a program meeting the fourth Thursday of every month. Both meetings start at 7:30 p.m. (Reprinted from Website) Send me your news.

* * * * *

In closing, I want to thank all the clubs for keeping me informed about your club's activities. Help me make the South Carolina Column bigger and better each issue. If you are reading this magazine and you don't see anything from your club, ask them why? Tell them all they have to do to get their club news in print is to send it to me at w4rwg@sera.org.

Now it's a Walnut Tree!



Norris Price, KF4BWG of Rogersville, TN got in the news again with his unusual "tree" antennas. If you recall, we ran a photo of him and his new Walnut Tree antenna in November issue a year ago. Well, he's back with a new "model". This time it is a Beach tree. Norris caught the eye of the Shelby, NC newspaper at the Hamfest on Labor Day weekend. They ran his picture along with the hamfest story Saturday evening. Norris told the Repeater Journal they had fun, and worked 15 repeaters on his new improved version "Beach Tree Antenna". The coax from the radio is hooked to a nail driven in the tree. It is imperative, he said to have the tree moist providing a good ground plan, so it must stand in a tub of water. He said they used over 3 gallons of water in the 5 days there at the hamfest, keeping the antenna tree moist and efficient.

(Editor's note: If Norris keeps this up, and some enterprising Antenna company decides to "buy" his design, and the new antennas become popular (excuse the pun) nationwide - do you reckon antenna companies will have to start buying timber rights for raw materials. Will hams have to hook up water pumps to their antennas? Will apartment covenants overlook these new "instant tree antennas"? Who knows what's ahead!! Will the environmentalists be happy and want to work with antenna companies to creat new antenna forests?)

Make Plans Now For The "Coolest Hamfest in Georgia"
At the Georgia Mountains Center

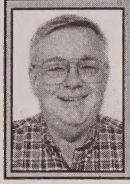
GAINESVILLE, GA

Saturday July 13, 2002

Air Conditioned, Covered Tailgating, Plenty of Free Parking

For advance information Email: w4tl@arrl.net
Web Page: www.lanierlandarc.org/hamfest.htm

News of Georgia



M. Terry Jones, W4TL
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Flowery Branch, GA 30542
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w4tl@arrl.net

The leaves are beginning to turn here in North Georgia, which is an indication we are in our Fall Season. Fall is my favorite season (mostly shirt sleeve weather with cool nights). It also indicates that Christmas and New Year's is not long away. Maybe Santa will bring us all some nice radio goodies.

* * * * *

By the time you read this article, Georgia's 2001 Hamfest calendar will be history. I made my annual pilgrimage to the Shelby Hamfest during the Labor Day Weekend. This is probably the largest Hamfest in the Southeast. I enjoyed seeing the "Lynch mob" (the SERA group from North Carolina) and Roger Gregory, the SERA Vice-Director from South Carolina, as well as a lot of other friends and acquaintances. The Alford Memorial Radio Club's Hamfest, which was November 3rd and 4th, is one of the best in the area and it is appropriate for it to be Georgia's finale. With that said, we can now look forward to the 2002 Hamfest Season, starting with a great Hamfest in Dalton on Saturday, February 23. SERA will definitely be represented at this Hamfest. I hope to see you there.

* * * * *

A lot of groups are having their fall picnics and other activities. Georgia had good participation in SET on October 6th. Our SEC, Lowry Rouse, KM4Z, had to change the scenario due to a similarity with the terrorist attack on September 11 and the revised scenario presented a definite challenge to everyone.

* * * * *

Hopefully, by this time, most Georgia Repeater owners have completed and returned their SERA datasheets. The submission of accurate datasheets is a very important function that all repeater owners have. This insures that your repeater can remain coordinated and up to date in the database. If you haven't sent in your data sheet, please do so now. Our State Director, Rick Wright, W4LOC, said in a letter sent to all Georgia repeater owners, "Starting in February, I will begin following the SERA CP&G Policy 17 to start trying to get rid of some of the repeaters that have not turned in data sheets in three years are more. Some of these may be off the air, some may be just oversights, and some may just not care. But regardless, it's time to be responsible and take care of business." The datasheets are sent to all "trustees of record." You can help even if you are not the trustee of a club or group owned repeater by asking the trustee or some other responsible person in the group if the datasheets have been returned to SERA. A data sheet not being returned once could possibly be an oversight, if it happens twice, there is definitely a problem. We all need to be responsible in this area.

* * * * *

A group of Georgia amateurs has accompanied Southern Baptist Convention Disaster relief crews to the New York city area in the wake of September terrorist attack on the World trade Center. The hams were providing communications support to the Convention's kitchens and shower units, deployed at the request of the Federal Emergency Management Agency.

The communications van of the Chattahoochee Baptist Association Amateur Radio Team, W4CBA, was stationed at a staging area at the Raritan valley Baptist Church in Edison, New Jersey. Operating as W4CBA, the volunteers in Edison are utilizing the nearby New Jersey Institute of Technology Amateur Radio Club's K2MFF 147.225 MHZ repeater in Newark to communicate with deployed kitchens and showers in the Brooklyn naval Yard and near ground zero in Manhattan. Amateurs accompanied volunteers from eight states into the field as they served meals to relief workers and displaced residents.

We wrote a story about this event with accompanying pictures. Please read it elsewhere in this issue of the Repeater Journal.

* * * * *

GARS (Gwinnett ARS) participates in 5K run event in Buford. On Saturday, August 1, a handful of hams participated in and volunteered for a very fun event, the Buford 5K run. There were about 250 runners and walkers, ages 6 to 78. Participants ran or walked four miles. All the amateur radio volunteers met a Huddle House for breakfast at 7:30 am. Andrea Hartlage, KG4IUM, rode in the lead car, Scott Hartlage, KF4PWI, and Eddie Rouse, WD4JEM, rode their bicycles behind and in the middle of the pack. Lou Jr., N4WWU, was the start/finish communications and Larry Tews, N8IAA was stationed at the two-mile split. Lou, NY4F, was stationed at turn five. Wayne Chapman, KG5WU, was stationed at the middle school and Bill Van Duynhoven, KE4TVA, was stationed at the one-mile split. Start/Finish and lead car stations had the most traffic, and others had some traffic. The majority of the traffic passed was the coordinator, Bryant Green asking questions by relay, i.e.: "Is the water ready for the runners at the water station?" We never had to pass any emergency traffic. GARS was well represented by all the volunteers. The coordinator of the race, Bryant Green, was deeply appreciative of the efforts of the volunteers. GARS, the spirit of community service and Amateur radio as a whole was well represented at the event – great job!

* * * * *

The net I would like to spotlight this month is the **Georgia Baptist Hams Net**. This net meets on 3865 KHZ at 4:00 PM local time each Sunday afternoon. It is an open net and is used primarily by those amateurs involved with the Georgia Baptist Disaster Relief organization. Dale Culp, W1BPP, is net control and I am sure he would enjoy having you check in.

* * * * *

If you haven't added me to your newsletter mailing list, please do so. I appreciate those of you who have. This is where I am able to pick up news about happenings going on in Georgia. It's extremely hard to report information if I don't get it. I prefer getting the newsletters electronically and you can send them to me at w4tl@sera.org or if you prefer mail them to me at 4816 Windwalker Drive, Flowery Branch, GA 30542. If you have something you would like mentioned in this column, please drop me am e-mail and let me know and I'll try to incorporate it. Until next time, 73.

Terry Jones, W4TL

Thanks to all our vendors and friends for making the **Winston-Salem Hamfest** a success! See you next year on June 8, 2002.

Virginia News

Sammy Simmons,
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After a week of terror in this great country of ours, we are stronger than ever and I am thinking those responsible will learn that very soon!

* * * * *

Jim Campbell, K4YM, and I attended the Va. Beach Hamfest on Sept. 22 and 23. It was a good show with a lighter crowd than usual because of the horrific events of earlier that month and the constant threat in this USA. Despite that, I thought it was a great show and had many vendors, toys, and a very good flea market area. Our schedule worked out great, because Jim and I split the weekend, with him doing the Sunday version and myself with the Saturday duty. I had time to talk to several people who stopped by to renew or subscribe to the Journal or a few that just wanted to chat about articles and just general ham stuff. I enjoy seeing people that I know or meeting new people that are interested in the journal and SERA. We had Hams from PA to SC visit us in the booth. Most impressive! Thanks to Sylvia, KF4UGN; and daughter Megan (potential Ham), Donnie, KE4GYN; Al, KK4VH and Barbara, KE4YMT, for the assistance in the booth so I could get a restroom break. I also took a walk around the floor .

* * * * *

Please note that the Frostfest in Richmond, will be on FEB. 10, 2002, instead of the normal January date. I am wondering what the weather will be like this year as it normally lives up to its name weatherwise! The RATS put on a great show and always look after us Guys and Gals in the booths. Sera will be present again this year so please stop by to renew, subscribe, or just chat.

* * * * *

I have been watching the progress and listening to a group in NC that are linking the internet to local repeaters and then linking some locals together with that repeater also. It is referred to as IRLP (internet radio linking project) in Ham Radio or "Voice Over Internet Protocol. I am a personal friend of Ron Casey, K4JDR, and feel I know Danny Musten, KD4RAA, from his work. They run a good show and I am wondering if anyone in Va. is doing any of the same kind of thing. I would love to hear about it if you are and maybe we can get some interest stirring. I our Associate Editor, Gary Pearce is writing an article about IRLP for this issue. Look for it!

* * * * *

Repeater owners, remember that datasheets were mailed out in September and early October and will be due back before you get another issue of the Journal. So be sure to fill them out and get them back ASAP! This year it will be more critical than ever because coordinators have been advised to follow SERA Coordination policies and Guidelines concerning repeater owners who have not returned datasheets for the past 3 or more years. Some systems could fall into proceedings toward de-coordination! I am proud of the Va. repeater owners. We are not as numerous as some states but seem to keep it together as well as any! Thanks!

* * * * *

A lot has happened this year in Virginia with the ARRL group. I have been determined to stay away from writing about it but am beginning to wonder if it would be in the best interest of all concerned if we did an article on the happenings. I would certainly not want to take any "sides" but report what the actual occurrences were during the last year. I would have to be sure we had the "right stuff". Let me know your feelings on an article about these 2 groups by emailing me at cbc2@buggs.net or kd4mjo@sera.org. Lets see what you want to read about this situation! My editor currently feels a wait and see attitude is best as far as covering the item.Perhaps a feel of what you, the VA Hams, would provide guidance!

* * * * *

We can use more material to report, so send me your newsletters and any interesting information to the addresses above. If your club or repeater is not included in your column, you need to act now, and get me involved in giving you coverage. - Sammy!

Ed Clegg W8LOY Dies

-From The ARRL Letter

Edward T. "Ed" Clegg, W8LOY, 80 of Cincinnati, Ohio, died September 7. An ARRL member and a New Jersey native, Clegg was founder of Clegg Communications Corp., one of the early and popular amateur VHF radio manufacturers. Among his designs were the Clegg Zeuss transmitter and companion Interceptor receiver, the FM 27 & 28 transceivers, the Clegg 99er 6-meter rig and the AV-44 All Bander receiving converter. Clegg retired to Ohio in the early 1990s. His wife, Mavis, is among his survivors.

The Raleigh Amateur Radio Society says:
Thanks for a great RARSFest 2001!
Be sure to mark your calendar for April 14th, 2002. RARSFest '02 just wouldn't be the same without YOU!

RARSFest
NC ARRL State Convention
Hamfest & Computer Fair
Sunday, April 14th, 2002
8:00 am to 4:00 pm

RARSfest Info:
w4dw@arrl.net

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RALEIGH AMATEUR RADIO SOCIETY RARS WORLDWIDE FRIENDSHIP

● RARSFest Supper Saturday Night ● Wouf Hong Ceremony after Supper
● Amateur Radio Exams ● Special Interest Forums ● Homebrew & Operating Contests
● Hamfest Prizes ● 110,000 Sq. Ft. Indoor Fleamarket ● QSL Awards Checking
● Dealer Space ● Free Parking ● NC State Fairgrounds ● Raleigh, NC

Tennessee News

Covering the State!

Bob Gault, KD4NEC
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Cleveland, TN 37312
bgault@wingnet.net

Greetings from the volunteer state! A lot has happened since the last issue of the Journal. For one, I am now the Tennessee correspondent covering the entire state.

In the weeks before this issue went to press, terriorist attacks on New York and Washington D.C. have changed the mood of our country. And as we write this, military action against the terriorists was the top story on the national news.

* * * * *

We know that at least one club, the **Delta club in Memphis**, canceled their September meeting because of the attacks.

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Moving on, Michael Davis, WB5YJC of the National Weather Service Office in Nashville, and storm spotter Troy Bryant, W4TLB, organized a demonstration of amateur radio for a classroom of 20 to 30 fourth grade students at **Betty Davis School** in McEwen Tennessee. Live from the classroom, the students were able to ask weather-related questions to forecaster Scott Dickson in the Nashville office 70 miles away. The students used the Middle Tennessee Emergency ARS repeater link which covers almost all of the 42 counties covered by the Nashville forecast office. This interactive presentation was part of the NWS Outreach Program.

* * * * *

Middle Tennessee has a new UHF link system for SKYWARN and Emergency Communications. The need for a linked system capable of communications over several counties was evidenced by F3 and F5 tornadoes that formed over the region in April 1998.

After much planning and coordination, the **Middle Tennessee Amateur Radio Society (MTEARS)** was implemented in February 1999. MTEARS was formed with a goal of establishing a reliable repeater link system to communicate directly with the N-W-S and the 42 counties covered by the Nashville office.

Eight repeaters sited in strategic points across middle Tennessee are tied to a central hub that is located at the Tennessee Emergency Management office in Nashville. This allows local spotter groups to communicate directly with their net control operator, and a designated person to relay pertinent information to the weather office. This keeps the system free for high priority traffic but during normal operations lets everyone enjoy communicating across a wide area.

You can get more information on the system on their website at www. mtsh.org.

* * * * *

Tommy Thompson KD4TJO and Alex Graham KE4GYR were presenters of a SKYWARN program for the **Delta Amateur Radio Club** at the organizations August meeting.

Gary Blinkman WA2IQC is director of programs and Ken Gregg, K4DIT, is director of publications, for the club.

Club members are sampling interest in forming a QRP group within the club. Alex Graham KE4GYR and Gregg are the two contact persons.

* * * * *

In August, the FCC notified the Electric Power Board of Chattanooga of interference caused by their equipment to the amateur bands and some aviation frequencies. The letter calls the complaint "an extremely serious matter."

"Under FCC rules, most power-line interference is classified as an "incidental radiator," the letter says. "This term is used to describe equipment that does not intentionally generate any radio frequency energy, but that may create such energy as an incidental part of its intended purpose.

Most cases of this nature can be settled within 90 days, according to the FCC letter.

* * * * *

Some Tennessee clubs are turning away from their dependence on hamfests to bring in the revenue they need for equipment and other projects. The IRS has a section in their code that allows non-profit organizations, such as amateur radio groups, to apply for status as tax exempt. That permits donors to deduct their contributions to the named organization if they are found to comply with the tax code. Getting a 501(C) 3 is not easy. An application must be submitted detailing your finances and method of operation. You will likely need to file changes to your corporate charter that contains wording the IRS requires.

The application itself is nine pages, but you must include supplemental information such as your charter, constitution, by-laws and detailed information about your bank account and where the money came from. Several years of infromation must be included.

The process can be lengthy and a lawyer is helpful in making sure everything is in order. But a lot of the work can be done by a club member who is familiar with your organization to possibly reduce the cost you incur. Of course, having an attorney on your roster familiar with the tax code is a big benefit.

When it comes time to file, you must send $ 150 with the application to an IRS office in Florence Kentucky. There could be other costs to incur filing amendments to your charter with the appropriate state official.

I heard of one club in another state that decided rather that explain its past, they disbanded and formed a new club with the same name. Using this approach, they had to explain revenue projections for their first years of operation rather than past history.

One other benefit is being able to apply for grant funds. However, being alligned with a non-profit organization such as the Red Cross or affiliated with a government agency, such as Emergency Management, allows you to apply for grants through that organization.

If the future looks bleak for hamfests, consider getting a tax exemption from the I.R.S.

They have information in their offices and on the World Wide Web.

* * * * *

If your club needs publicity about a particular member, a project you want spotlighted, or those who are serving as officers, e-mail the information or send it by postal service to my address. If you prepare the club newsletter or are responsible for public relations, please add me to your mailing list. That way, we can get it in the Journal. I'm now covering all of Tennessee - from Memphis to Mountain City. *Till next time - 73s*

Mississippi Director Recovering

Steve Grantham, N5DWU, SERAs Mississippi Director/Coordinator experienced a heart attack on September 19th. Late reports at press time indicate he is well on the mend and ready to go back to work.

This was a third attack for Steve since 1995. He said the doctors found a problem this time, and corrected it, hopefully, making his recovery more complete this time.

Steve told the Repeater Journal he is back in business as Coordinator, and was actively looking for a volunteer to serve as an Assistant Director for Mississippi.

For any questions or contact with Steve, email him at: n5dwu@sera.org.

Western Carolina Amateur Radio Society/VEC, Inc.

WCARS / VEC

An Amateur Radio Volunteer Examiner Coordinator AND A Special Event Station Call Sign (1X1) Coordinator

For Newly Issued Callsigns, Call (423) 689-6358

(11:00 AM to Midnight - 7 Days a Week, including Holidays)

For other information including test session coordination, VE Team Formation, etc.:

Win Guin, W2GLJ
2138 Sonning Drive
Germantown, TN 38138
901 754-4552 WinGuin@bellsouth.net

Norman Harrill N4NH
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WCARS@kornet.org

John Chism ND4N
139 Mustang Cir. Simpsonville, SC 29681
864 967-0001
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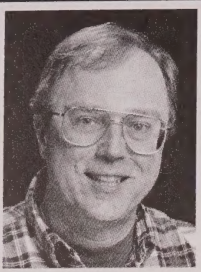
For Test Schedules - Contact People at each Site and Among Other things, an ONLINE REQUEST for
A SPECIAL EVENT STATION CALL SIGN

WE'RE **STILL** LOOKING FOR A FEW GOOD VE TEAMS!



Getting Started

Gary Pearce KN4AQ
kn4aq@sera.org
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Cary, NC 27513

Meet the neighbors

Most modern 2 meter and dual-band radios have wide receive coverage - way beyond the ham bands. If you haven't taken advantage of this capability, you could be in for a treat. Just beyond our doorstep are a wide variety of business and government radio users. These are people who use radio much differently then we do as hams, and if you know where to go and what to look for, you can pick up some fascinating listening. If you *don't* know where to go and what to look for, and you've already ventured out past the limits of the ham bands, you've probably wondered what fills this vast space. You've probably heard something, but I doubt that it's been a very rewarding experience.

By the way, it's legal to listen to any RF you can pick from the air except cellular and cordless phone calls. Manufacturers have been required to block cellular bands for a few years now, and they've been pretty successful in doing that with most radios, including ham radios. However, the Communications Act prohibits you from telling anyone else what you heard on most 2-way service frequencies. Amateur Radio is exempt from this prohibition.

THE BIG PICTURE

Where to begin? VHF radio technically begins at 30 MHz, and that's where the FM type of communication we use really begins, too. The Amateur Radio 10 meter repeaters at 29.5 to 29.7 MHz are the lowest frequency narrowband FM channels in the whole spectrum. Below that, everything is AM, SSB, cw, and a host of data modes, for hams and everyone else.

But I'm going to gloss over the stuff you'll find between 30 and 88 MHz because most of us don't have receivers that can tune those frequencies. Yaesu's VX5, Icom's Q7, and Kenwood's new F6 handhelds will receive there, but the run of the mill 2 meter or dual band radio bottoms out at about 118 MHz. So I'll just mention that there are still some users in what has been known as "Low Band VHF" (not to be confused with "the low bands" in hamspeak, meaning frequencies below 30 MHz, and for some hams, below 7 MHz. Wow, only four paragraphs into the column and already I've started babbling gibberish.

88	108	118	136	1	144	48	150	154	156	158	162	174
FM Broadcast	Aircraft Nav	Aircraft Comm	Satellites/Military (MARS / CAP)	Amateur Radio	Military (MARS / CAP)	Business, Paging	Local Government (Police/Fire/EMS)	Maritime	Business, Railroads	US Gov't		

Low Band runs from 30 to 50 MHz, sandwiched between the 10 and 6 meter ham bands. The most notorious user of Low Band is the Highway Patrol or State Police, whatever they call them in your state. These early adopters of VHF-FM got on the highest VHF frequencies commercially available at the time, and many of them are still there, around 42 MHz. The other service to note in Low Band is the first generation cordless phones. The "base" units have transmit frequencies just below 47 MHz, and some channels added later around 44 MHz. The handsets all transmit between 48 and 50 MHz. Most of the base units act as repeaters and retransmit the handset audio, so see, you're a repeater owner and you didn't even know it. No, SERA doesn't coordinate these repeaters.

The original, crummy "49 MHz" walkie talkies share some of the handset frequencies, as do some "baby monitors." This all makes the prohibition of listening to the cordless phone calls kind of meaningless, but I'll let you take that fight to Congress. I will note with interest how many families "bug" their houses for all to hear in a two-block radius with the ultra-sensitive microphones of the baby monitors.

Almost all of Low Band is divided into 20 kHz channels, and that part of the spectrum is prone to E Layer skip from time

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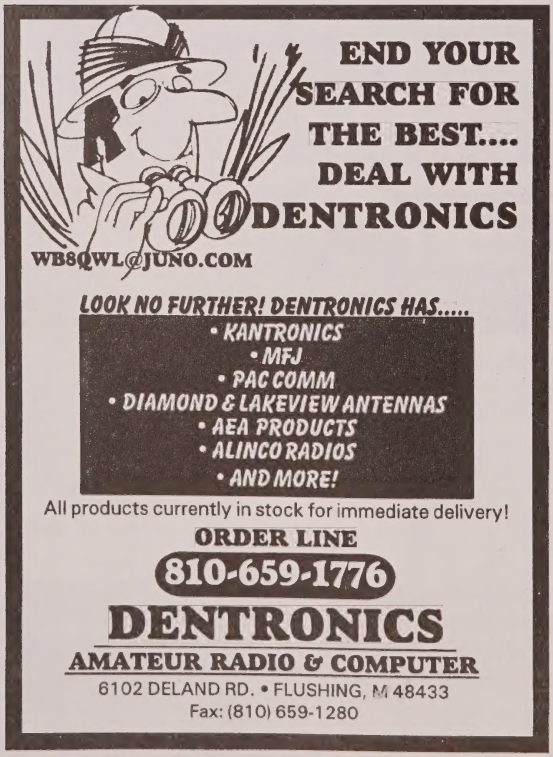


Getting Started continues.....

to time. The skip is fun for hams on 6 meters, but murder on police or business communication.

Moving up the dial, between the top of 6 meters, at 54 MHz, and the low edge of the FM Broadcast band at 88 MHz, you'll find TV channels 2 thru 6. A TV channel is 6 MHz wide, so TV chews up a lot of spectrum. You don't hear much about it today, but not long ago, hams on 6 had big problems with TVI on channel 2 and 3. You can see why - they're side-by-side, and TV receivers are not all that selective. Cable TV has helped.

There's a 4 MHz gap between channels 4 and 5, filled by some specialized business stuff, and the channels used for radio control, like R/C airplanes. That gap is why TV channels 4 and 5 can be on the air in the same market, like they are here in Raleigh.

Now we're getting someplace most of us can actually hear. The FM Broadcast band runs from 88 to 108 MHz, and it's the first thing on the chart to the left. Channels are 200 kHz wide, and modulation (deviation) is +/- 75 kHz. Our FM radios are +/- 5 kHz, just for comparison. TV audio is FM, too, at +/- 25 kHz, and the FM carrier sits near the top end of the TV channel.

Just above the FM band is the aviation band. This is fairly ancient - it uses AM - and the channels are very protected. Protected? Compare: the AM broadcast band puts stations (channels) every 10 kHz, and allows a fair amount of interference to exist between stations on adjacent channels. You only get a clear signal when you're listening to a nice, strong station. The aircraft channels, using the same AM, are 25 kHz apart... lots of elbow room. And it wasn't that long ago that the FAA kept them 50 kHz apart. That is some serious adjacent channel protection.

The aviation band is divided in two, with navigation beacons operating from 108 to 118 MHz, and voice from 118 to 136 MHz. Lots of 2 meter ham rigs tune the voice part of that band. Some do a better job than others by having a real AM detector and good sensitivity. Your 2 meter antenna is plenty good enough to hear aircraft signals for a long way.

Besides listening to towers, air traffic control and some of the airline's "private" channels, one of the more interesting signals is called ATIS - Airport Terminal Information Service. Most medium and large airports have these beacons that just repeat some basic weather information and airport conditions. They'll give visibility, temperature (in Celsius), wind speed and direction, and precipitation. They're not wide coverage unless you're at 10,000 feet, so they make good propagatioin beacons.

Between the aviation band and the bottom of the ham band are channels reserved for the government. You won't hear much there in most areas, but there are some satellites there sending weather pictures. Civil Air Patrol and MARS repeater inputs are near the top end of this band.

REPEATER JOURNAL NEWS-STAND DEALERS

AC/DC Electronics
Burlington, NC

Alabama Radio
Anniston, AL

Communications HQ
Wilmington, NC

C.T. Morgan & Assoc.
Chattanooga, TN

Ham Radio Outlet
Atlanta, GA

IRI Amateur Elec.
Jamestown, NC

Rosewood Co.
Elko, SC

Pick up Extra Copies of the Repeater Journal For your Friends!

We've reached 2 meters, from 144 to 148 MHz, so let's jump over that and keep going up. The average 2 meter radio will tune up to 174 MHz, the bottom of TV channel 7. This spectrum is known as VHF High Band, but if someone just says "VHF," this is what they're talking about.

Just above our band you'll find more government/military channels, including CAP and MARS repeater outputs. I've never heard any other signals there, but I live out of VHF range from the nearest bases, so they might really get some use.

From 151 to 154 MHz is most of the VHF business band. VHF is not the favorite slice of spectrum for business or public safety users. The business people get no repeaters - they're simplex. Taxis, dispatching for service companies like plumbers, and pager transmitters fill the band. When you hear pager noise on your 2 meter radio, this is where it's coming from.

There's a new radio service called MURS - Multi-Use Radio Service. There are 5 channels available for 2-watt, unlicensed use. The MURS channels are in here, too.

154 to 156 MHz is public safety and local government territory. Police, fire, EMS and other municipal services use these channels. You'll find that it's mostly rural counties and small towns left here. The bigger guys have moved to UHF and 800 MHz. Frequency coordination is helter-skelter. The public safety agencies can use repeaters, but you won't find a common band plan like we have in 2 meters. They plant inputs and outputs wherever they can get them to work. Band planning is erratic here, too. One of the MURS channels sits right in the middle of this band, surrounded by police and fire channels.

We inherited our 15 kHz band plan from this band. The commercial and public safety folks began with 60 kHz channels. When they overloaded, they cut them to 30 kHz (and dumped tons of outmoded equipment into ham radio as a result, fueling the original spurt of growth in 2 meter FM back in the 1960's). When those channels overloaded again, they cut to 15 kHz. We followed in those tracks, lagging by a few years.

156 to 158 MHz is where the boats and ships operate, both on inland lakes and the seacoast. This is still FM, 25 kHz channels. 156.8 is the "calling/distress" channel, and you'll hear lots of activity on it around larger lakes and at the ocean. There used to be coastal stations with telephone operators that patched ships to landline telephones. I don't know for sure, but I suspect that service bit the dust after cellular became available.

I haven't said much about operating procedure on these bands, so I'll take a break and mention it. As you might expect, the police channels are pretty crisp. On the aviation channels, traffic between planes and the FAA (towers, flight service, air traffic control) is similarly businesslike. But it gets a bit less formal on the pilot-to-pilot channels. I've even heard extended

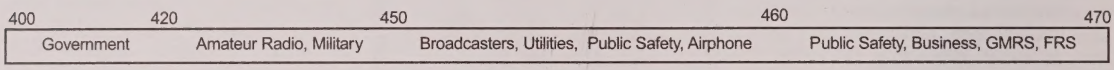
Continues on next page

Getting Started continues.....

ragchews between corporate pilots talking over the hundreds of miles their elevation permits. This was not strictly kosher, and they did not give callsigns. They avoided saying anything that would divulge their identity while they complained about their companies and working conditions. The frequency: 123.45 MHz (that's an easy to remember 12345). You'll find that sort of thing salted through the aviation band.

And speaking of salt, the marine band sounds almost like CB these days, unless the skipper is talking to the Coast Guard. Make that a more civil version of CB, but still very informal.

158 to 162 MHz hosts more business channels, and the railroads. The rail channels have gotten a bit quieter since cabooses are no longer the last car on every train, but railfans till enjoy traffic at switchyards, and there's some enroute communication.



And finally, 162 to 174 MHz is another government enclave. The NOAA weather transmitters are here, from 162.40 to 162.55 MHz. The FBI, Secret Service, Treasury and other agencies might use channels here, or they might not. They're not telling. There are some commercial channels sprinkled in here, too. Movie production, wireless mics.

174 to 216 MHz is another big swath of TV, from channel 7 to 13. The wasteland is vast, indeed. And we're now outside of coverage for all but the fancier ham radios. But if you were blank on what's happening just outside the ham bands, do you have any idea what goes on between 200 and 400 MHz? Well, yes, there's that little ham band at 222-225 MHz. From there up? Military. For example, the Blue Angles use a channel in there somewhere when they're giving a show. With all the talk of spectrum crunch, we don't hear much about this thick slice of ether.

Dual-band rigs, and even one or two radios that only transmit on 2 meters but receive the higher bands, may start back up at 400 MHz. The government uses 400 to 420, where our big "440" band starts. We have from 420 to 450 MHz, also a huge piece of pie, but shared with the military if they want it. If you want to know how we slice it up, stop by the SERA web page: www.sera.org. But I'll give you a hint: much of it is... television. FM/Repeaters and digital occupy the top 10 MHz, and there's some cw/SSB and satellite in there. But several ATV channels take up nearly half. Perhaps it's time to get on ATV?

Now here we are at the primest of prime radio real estate, from 450 to 470 MHz (and a little higher in some places). Well, OK, some of the luster has worn off since 800 MHz has been occupied, but for a long time this is where business and public safety radio wanted to be. It's well organized. The range is just what everyone wants. Signals bounce around downtown and escape from buildings better than VHF. Repeaters are everywhere. And it's jammed up like the interstate at rush hour.

This band is divided in four 5 MHz sections. The first block is repeater outputs, from 450 to 455 MHz. Then those repeater inputs take 455 to 460. And we do it over again with outputs from 460 to 465 and inputs from 465 to 470. There are a few "simplex" channels sprinkled among the repeater outputs and inputs.

Those blocks are further subdivided. The broadcasters come first, with one MHz from 450 to 451 for dispatching the TV trucks and linking radio remotes back to the studio. The utilities - phone, power, gas - get 451 to 453, and public safety gets 453 to 454. And the last MHz in this block goes to Airphone. What a plum they got, as a whole MHz was relinquished by the phone company when "mobile phones" moved from there to 800 MHz.

The police departments get 460 to 460.6, and from there up it's business, business, business. GMRS and FRS have some space around 462 and 467 MHz.

Channel spacing in this whole spectrum is officially 12.5 kHz, but you'll find most of the "big" repeaters and operations on 25 kHz channels. But there's a plan out there to slice that in half again. This will require everyone to cut their deviation in half and sharpen up their receivers. In other words, buy all new radios. The price of progress. Might be some nice repeater equipment available for us hams.

In most areas, TV channel 14 starts at 470 MHz, but the pressure had been so strong for more spectrum that in a few big cities where there was no station using channels 14 thru 16, that space went to two-way radio.

Now, let's talk real space. from 470 all the way to 806 MHz is UHF TV, channel 14 through 69. 336 MHz worth of sitcoms and movie-of-the-week. And it used to be even bigger. Old timers like me remember when UHF TV went to channel 83 (or was it 82... we old timers get forgetful). What happened?

800 MHz happened! I don't know what the FCC was thinking when they made that many TV channels, but just about nobody was using the top ones, so somewhere back around 1980 they lopped them off. In the 800 MHz band we now have another big block of space for business and public safety, and cellular telephones. Most of this is repeater/duplex operation, and to make it work in those tiny cell phones, you get a 45 MHz offset between transmit and receive across the band. The cellular folks get from 869 to 894 MHz - that's the part you'll find blocked from your receiver. Many dual-band ham rigs include 800 MHz reception, and most of them work surprisingly well there.

TRUNKING

Some of the 800 Mhz spectrum (and now some of the 450 MHz spectrum as well) is being used in "trunked" systems. Remember last issue, when I said crossband repeat was hard to understand, and I was sure I was going to do a terrible job of explaining it? (Some of you were kind enough to write and say I did OK... but that was mostly people who already understood and used crossband. I haven't heard from anyone who said "Gee, I didn't get it at all before, and now it's clear as a bell.") Well, trunking is like that, too. Hard to understand. And I don't have 4 pages left to explain it. Here goes nothing.

Say a city has a bunch of departments - police, fire, EMS, garbage trucks, dog catcher. And each one wants radio, with a

Continues on next page

Getting Started
....gets finished

bunch of channels (and a bunch of repeaters). So they all get their equipment, and life is good, but most of the time the channels go idle. Even the police department uses their channels less than 60% of the time, if you add it up. So the city bought maybe 30 repeaters, and the spectrum is scarce, and they're wasting time. OK, that's the problem.

Suppose instead of splitting all those departments up on their 30 channels that they hardly use, we put them on just 5 channels. And we get some smart computers, and some smart radios that can be controlled by those computers. Instead of separating the departments on RF radio channels, we separate them into "talk groups" - virtual channels. The computers and smart radios keep people from bumping into each other on just 5 channels. Here's how it works:

I'm a cop, assigned to Squad "A". My radio is programmed to talk to all other Squad "A" radios. But it's *not* set for just one particular RF channel. When I push my PTT to call another officer, the first thing my radio does is send a signal to the computer. The computer looks at the 5 repeaters and finds one that's not in use. Then it tells all the Squad "A" radios to gather on one physical repeater, on one RF channel, and it pops my voice out their speakers. It does all this in less than a quarter of a second. We don't care which physical repeater or which RF channel we're on, and we may be moved from one repeater to another in the space between two transmissions.

If all the repeaters are busy, I have to wait, and my radio lets me know with a special "beep". But that doesn't happen very often.

Whew... there are whole books in the library about trunking, and I just did it in four paragraphs. I'm getting cocky. But, here's the problem. You are not a cop, and your fancy dual-band radio does not know how to talk to the smart computer at the municipal repeater site. You have to chase over the five repeaters to find the police traffic you want, not to mention wading through the traffic from the guy marking yellow lines down the center of main street ("Hey, I'm almost out of paint!").

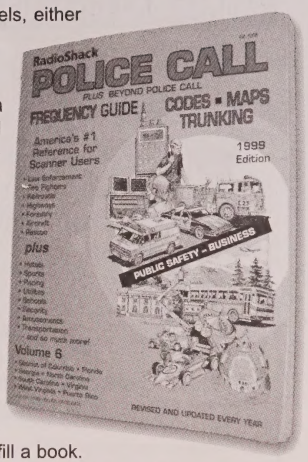
It's true, it's hard to monitor a trunked system with a "conventional" radio. But now that I'm getting you hooked on monitoring outside the ham band, it's time for some more bad news. Ham radios are not very good for listening outside the ham bands. Well, they're fine for listening to one or two channels, but most people listening to all this stuff want to hear **ALL** this stuff. They want something called **scanning**. They plug 50 or maybe 500 channels into a receiver and zip through them as fast as they can until one of them pops open with something hopefully interesting.

Yes, your ham rig scans, but it probably doesn't have 500 channels, and it doesn't scan all that fast. So it's time to spend some more money and buy a scanning receiver. There are all kinds in many price ranges. You can get them at one of the hamfests advertised in this issue of the Journal (clever cross promotion for the ad on this page).

And if you want to listen to a trunked radio system, you'll need a special breed of scanner called a Trunk Tracker. These scanners have the ability to listen to the data sent by the trunk system's computer and scan the talk groups. Instead of RF frequencies, the display shows talk group numbers. On the more sophisticated ones, you can add our own alphanumeric identification to the channels, either RF or talk group.

Details, please

OK, I've sold you a 500 channel handheld turbo trunk-tracking scanner, and now you need to plug some frequencies into it. And in this article I've mentioned, what, maybe two whole specific frequencies. I've been awfully general. I had to be. Look at how much space I've wasted already. No way can I tell you all the specific frequencies you might be interested in. That would fill a book.



It *does* fill a book. Several of them. There are a bunch of books and CDs that act as frequency guides. And there's even more information out there on the web.

The book I used to gain my view of the spectrum was **Police Call**, now sold by Radio Shack. This was before the web, before CD ROMs, and before the FCC's database was easily accessible by anyone with an internet connection. But I still think it's a good place to start.

Police Call lists all the public safety and government frequencies for your state, county and city. Over the past few years, they've added frequencies for some businesses as well. Like the ***Repeater Journal,*** they list by location and by frequency. I've heard the 2002 edition, which should be available as you read this, includes a CD. And there's a wealth of other information, including a section that does an awfully good job of explaining radio reception to the average person with no RF background. I learned some things there, including a lot about trunk tracking.

In a way, **Police Call** is too complete. It lists every frequency licensed to a municipality, whether the frequency is in use or not. It has some information about what some of the channels are really used for, but a lot of it is just lists of channels and cities. You need local information about what to really plug in and listen to. And for that, you have the web, and lists posted by our fellow scanner listeners.

Happy listening!

Repeater Journal
Hamfest Advertisers
In This Issue

The following hamfests are utilizing the SERA Repeater Journal as their advertising vehicle to promote their show. Let them know you appreciate their support & wisdom.

CLUB/HAMFEST	SHOW DATE	AD LOCATION
Benson (NC)	Nov. 18	Pg.12
Charleston (SC)	Feb. 2 '02	Pg.5
Charlotte (NC)	Mar. 9-10 '02	Pg.9
Gainesville (GA)	Jul. 13 '02	Pg.46
Gallatin (TN)	Jan. 19 '01	Pg.3
Jackson (MS)	Feb. 1-2 '02	Pg.45
Knoxville (Kerbella) (TN)	Mar. 2 '02	Pg.55
Morganton (NC)	Apr. 20, '02	Pg.56
Raleigh (NC)	Apr. 14, '02	Pg.48
Richmond (VA)	Feb. 10 '02	Pg.20
Salisbury (NC)	Jul. 6 '02	41
Shelby (NC)	Aug.30-Sep.1	Pg.11
Winston-Salem (NC)	Jun. 8 '02	Pg.47

Attend and Support as many of your area Hamfests You Possibly Can. It's lots of Fun!!!

Nominating Committee Recommends Slate of Officers

A nominating committee selected by the SERA President has offered their recommendations for a slate of officers to guide SERA for the next two years.

According to the SERA By-Laws, the nominees are published in the November Repeater Journal, along with a "nomination from the floor" form, which allows any eligible Full Member to nominate someone of their own choosing for an office in the organization. Anyone choosing to persue this route, is asked to very carefully read the form below, and also to check the SERA Bylaws under "Elections". A copy of the Bylaws is available on the SERA website: www.sera.org.

The officers nominated by the committee, if unopposed are automatically elected to the office they are seeking. If a nomination from the "floor" using the form below is presented and certified to be eligible, then an 8-state election is held by mail ballot of all eligible Full Members of SERA, and the winning person for the office challenged is elected.

The new slate of officers are due to take office on January 1, 2002 and serve for a period of 2 years.

Here is a brief outline of what positions nominees have held over the past years within the organization.

PRESIDENT - Don Williams, W4VT. Don is seeking a second two-year term as SERA President. He was SERA Vice-President for a 2-year term in 1996. He has also held the position of Director of the Virginia District since 1997. Prior to that, he was Virginia Vice-Director from 1987 thru 1996.

VICE-PRESIDENT - Richard Wright, W4LOC is the nominee for a first time as a SERA Officer. Presently he is in his second year as Director of the Georgia District.

SECRETARY - Alex Hedrick, N8FWL seeks his fourth term as Secretary, a job he has held since 1994. Alex is also West Virginia Director, a position he has held since 1992.

TREASURER - Johnny Wofford is nominated for a second term of Treasurer. He is also the State Director for Tennessee, a job he's held since 1991.

A reminder, if anyone desires to issue a challenging nomination, utilizing the form on this page, they are urged to follow instructions on the form, and in the bylaws carefully in order for the nomination to be certified and cause an election to be held.

SERA OFFICER NOMINATING FORM

For the Office of SERA President, Vice President, Secretary or Treasurer

This completed form must be mailed to the Secretary - postmarked no later than NOON, Nov. 24, 2001.
Note: The Secretary must also be notified verbally by phone no later than NOON Saturday Nov. 24, 2001.

To The SERA Secretary:
The below named person is nominated to the Office listed. This person has been contacted and through their enclosed acceptance letter will serve if elected. The nominee is (1) a Qualified SERA FULL MEMBER, appropriated listed as such in the **February 2001 Repeater Journal,** (2) is not an officer in any other coordination council (3) and fully qualifies under the bylaws of SERA to hold office. It is understood that this nomination from the floor, signed by myself and THREE other elegible SERA Full Members will be added to the nominating committe's list of nominees. This "from the floor" nomination will cause an election to be held by written ballot, mailed to every qualified Full Member in all eight SERA Districts.

NOMINEE INFORMATION: (Use separate sheet for EACH Nomination-
(President, Vice President, Secretary or Treasurer)

Nominated for the SERA office of _____(one office per sheet)

Name_____Callsign_____

Address_____Phone ( )_____

City_____State_____Zip_____

Is a representative of the _____**Full Member** Repeater System

Person has been contacted and has agreed to serve - [ ] Yes - Acceptance letter enclosed? [ ] Yes
Please include a brief Biographical sketch of nominee on a separate sheet of paper - enclosed? [ ] Yes

This Nomination is made and certified by qualified SERA full member:

Name_____Callsign_____State_____

Email: _____

Phone [ ] _____ Signature_____

I am a member of _____**SERA Full Member** Repeater Group.

Please list three other Full Member Repeater Representatives (each must sign this sheet)

(1) Signature _____ Callsign _____

(2) Signature _____ Callsign _____

(3) Signature _____ Callsign _____

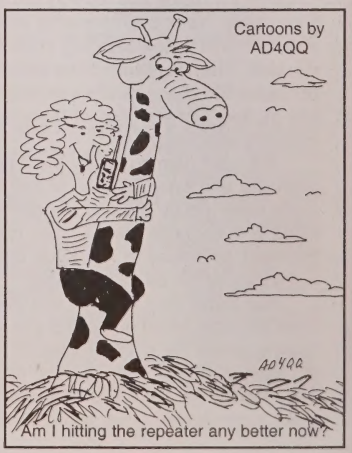
Mail this fully completed form with other necessary paperwork to:

H. ALEX HEDRICK, JR., N8FWL, SERA Secretary, P.O. BOX 417, BECKLEY, WV 25802-0417
This mailing must be postmarked no later than 12:00 NOON November 24, 2001, with verbal notification ALSO REQUIRED by phone, to the Secretary, at (304) 252-6611 (home) or (304) 673-6611 (work) no later than 12 NOON, Saturday, November 24, 2001.

IMPORTANT:
All eligibility conditions, for nominee as per SERA By Laws, and all requirements of this nomination form must be met for a legitimate nomination from the floor. Otherwise, the nomination must be disqualified as non valid for the forthcoming officer election. SERA BY-LAWS and Further information available at our Web site: www.sera.org

VEC-VE Exam Schedules

The February issue of the Repeater Journal will present our annual VE Examination Schedule. All VEC's and VE's are urged to send your 2002 schedule in to the editor to be included in this special section. Send your schedules to Gary Pearce, KN4AQ, 116 Waterfall Ct., Cary, NC 27513, or email them to: kn4aq@sera.org. Deadline to be included in this once-a-year listing is January 1, 2002.



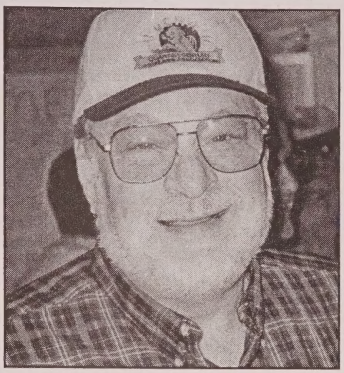
Nostalgic Wavelengths

DAVID BOWER K4PZT
P.O. BOX 10145
KNOXVILLE, TN 37939
(9423) 670-1503

"Keeping the Dream Alive"

As I reminisce about pleasant memories involving old ham radio gear, I think of the dedicated hams who attend the various hamfests lugging around "tons" of vintage equipment. Some people refer to them as "boat anchors," but I see them as an important reminder of the early heritage of amateur radio. Yes, this equipment is heavy. It's constructed using rugged metal cabinets, a chassis, bulky transformers, vacuum tubes and a wide array mechanical gadgets. The equipment is built to last, and many pieces (or derivatives) were designed to last a life time. What always catches my attention first is the fine craftsmanship. Many of the receivers have complicated and well designed tuning mechanisms. Some use circular dials; others use slide rule type devices. To get better tuning accuracy, a separate bandspread tuning dial is often utilized. I'm fascinated and intrigued by these tuning mechanisms, and really enjoy just watching an operating receiver in a dark room at night. There is something about the glow cast about the room, and the faint aroma of cooking electronics inside.

Frank Liberstein, W4FRL, often comes to mind when I think of those hams who are helping keep the dream alive at hamfests around the region. Frank, who lives in Trade, Tennessee in the upper eastern portion of the state, has been hauling equipment around for years. His collection varies from 35 to 85 pieces. Frank got into ham radio in 1961, and remembers his dad (who was in the Navy as a radio operator) was a major influence. His first station consisted of a Heathkit DX-40 and Hallicrafters S-40B. After high school and attending the Citadel,



Frank Liberstein, W4ZRL of Trade, TN is a lover of old vintage ham radio equipment.

Frank enlisted in the Marines and served as a radio operator in Vietnam. His last tour of duty was spent stateside handling message traffic at station W4PFC. His career after the military started as a sales associate with Radio Laboratories in Charleston, South Carolina. Later, he spent 10 years in the Insurance business. He moved on to start his own security business specializing in burglar and fire alarms. Afterwards, Frank opened a restaurant in Banner Elk, North Carolina and years later, after selling the establishment, moved to Trade, Tennessee. He has been married to his wife Joyce, a school teacher, for 33 years.

He has been attending hamfests around the area in recent times and, as he told me recently, his "only problem is I wind up buying more than I sell." But isn't that a problem many of us have who crave old boat anchors? Frank feels much of the older equipment is very functional and stable. He likes Hammarlund receivers because the company manufactured the equipment using many components fabricated in their own factory. In particular (as Frank told me), the disc ceramic capacitors really last and are not as prone to failure. Regarding stability, receivers such as the National HRO-50 and HRO-60 series are very stable because they have a switch to allow the filaments to be powered up in standby without the high voltage being applied.

When inspecting vintage equipment for possible purchase, Frank recommends you take a good look at the item and check for any obvious defects or modifications that might detract from its appearance. It's nice, if you have the opportunity, to power the equipment up to determine how it works. And, if a variac transformer is available, bringing up the AC voltage slowly is the best way to detect a problem such as shorted components.

Frank Liberstein's favorite receivers are a National HRO-60 and Hammarlund HQ-180, and he likes the Johnson Viking-II and Heathkit DX-60 transmitters. So, if you see a pleasant gentleman with a pipe in his mouth at a local hamfest surrounded by boat anchors, you're probably looking at W4FRL. Stop by and spend a few minutes with him, and help relive the early years of ham radio. Frank can be reached by e-mail at quailrun@preferred.com, or by regular mail at PO Box 124, Trade, TN 37691-0155.

Frank, W4ZRL with his "trade-mark" pipe sits among his vintage ham equipment. He collects, trades and sells old ham equipment. He is seen at several hamfests each year.

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Burke County Fair Grounds; Saturday - April 20th, 2002; 8AM - 4PM

Dealers

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High visibility outside spaces available.
5+ Acres of Fenced Fleamarket Area.
Gates open to dealers on Friday for dealer setup.
Security will be on the site all night Friday.
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Hotel accommodations nearby.
Hot showers and bathrooms available to dealers.
Some camper water/sewer connections available.
Less than 5 miles from I-40 Exit 100 (Eastbound) and Exit 105 (Westbound). Three hours to Raleigh, one and a quarter hours to Charlotte, one hour to Asheville.

Booth Information:
All booths are 8'x10' with one table. Extra tables are available for an extra charge of $10 per table. The main 4 buildings are enclosed from the weather. The 5th building is covered with open sides. We also have 5+ acres of fenced outside Flea Market Area.

Cost:
The cost is $10 per booth in the 5 covered buildings plus your entrance ticket and a ticket each for all of your workers. Outside Flea Market area is free with the purchase of a gate ticket. Gate tickets cost $4 (early registration) and $5 (on the day of the hamfest).

Space (with table)

$10.00

Sign up now for the best spots. Space payments are not due until March 15, 2002

Dealer Information:
Larry Withrow (AF4HX)
(828) 652-4195
Email: af4hx@worldnet.att.net

Ticket Information:
Don Beam, KK4NI
Voice: (828) 652-3102
Email: dbeam@wnclink.com

Hamfest President:
Tom Taylor (KC4QPR)
Voice: (828) 433-6205
Email: kc4qpr@vistatech.net

Mailing Address:
Catawba Valley Hamfest
2583 Nix Creek Rd.
Marion, NC 28752

Reservation Policy:
Booths will be reserved without cost on a first come basis and be held until March 15th, 2002 at which time the booth must be paid for. At that time any booth not paid for will be made available to other dealers.

Hotel Accommodations: **(Within 5 miles of fairgrounds at I-40)**

Days Inn	(828) 433-0011	Hampton Inn	(828) 432-2000	Holiday Inn	(828) 437-0171
Red Carpet Inn	(828) 437-6980	Sleep Inn	(828) 433-9000	Super 8 Motel	(828) 430-8778

RV/Camping Accommodations:
Steele Creek Park (828) 433-5660 (13 miles from fairgrounds)
Self contained units may stay on the grounds. Limited water and sewer connections are available.

Some of our previous dealers include:
Alabama Radio, Rad-Comm, Virginia Ham Radio Supply, West Mountain Radio (RigBlaster), TC Morgan, IRI, Omar's, Rosewood, Signman of Baton Rouge, WireMan, Hamstick, Vortex Batteries, Ron Wilson (Screwdriver Ant.), Blue Dunn, Doyle Hall (Laptops), PC Wizardry, Wholesale Computers, MCM Computers, ...

Web Page: http://cvhamfest.linuxham.org

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SERA At The Hamfests

A Pictorial of SERA Hamfest Coverage!

SERA Was Busy In Year 2001
We Had People at These Hamfests

Morristown, TN	Morganton, NC	Gainesville, GA
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Gallatin, TN	Spoartanburg, SC	Waynesville, NC
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SHELBY, NC Bob, K4HA, Chuck, K4NYS & Frank, W4FAL

The "IN" thing to do at any Hamfest, is to Sign Up, or Renew your SERA Membership as Tennessee's Frank Armbrister, N4OQJ does while visiting the Waynesville NC show.

Waynesville, NC Roger, W4RWG, Dave, K4PZT & Tim, WB4GBI

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Find your State correspondent listed on page 2. Read their column - find their address!

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Is Roger, W4RWG, our SC Vice-Director trying to sell a **DOG** a SERA Membership?!! He IS!!

NOTICE!

Effective immediately, all news, stories, and editiorial content should be sent to the new editor Gary Pearce, KN4AQ, 116 Waterfall Ct., Cary, NC 27513. (919) 380-9944 kn4aq@sera.net. All advertising remains at Colfax Address.

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FCC Staffer Steve Linn, N4CAK And Wife Killed in Accident

-From Staff Reports and the ARRL Bulletin #42

The FCC and Amateur Radio communities mourned the loss of FCC staff member Steve Linn, N4CAK, of Lower Allen Township, Pennsylvania. Linn, 50, and his wife, Lesley Ellen Nearman, 44, died September 21 as a result of an automobile accident in Maryland. The couple's two children survived the wreck.

ARRL President Jim Haynie, W5JBP, said he was deeply saddened by the news. "Steve had not only been a valued employee at the FCC but also a good friend to the Amateur Radio community," he said. He and Haynie were scheduled to do a forum presentation together at the Virginia Beach Hamfest that weekend.

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth said Linn was well-liked by the FCC staff members and contractors he worked with at the FCC's Gettysburg office. "He was a very, very nice guy, a good engineer and he had common sense,"

Jim Williamson, NQ4T who heads up the W4VEC-VEC out of High Point, NC told the Repeater Journal that he found out about the tragic accident involving Steve and his wife shortly after it happened that Friday.

Williamson said Steve had attended the 2000 and 2001 FCC/VEC Conferences for the past two years and always addressed the FCC and VEC personnel. He was a very friendly, outgoing gentlemen. He always had time to talk to anyon F.L. Warford, W4FL another High Point ham and I talked with him briefly at the last conference.

An Amateur Radio licensee since the 1980s and an ARRL member, Linn was deputy chief of the Licensing and Technical Analysis Branch for private wireless within the Wireless Telecommunications Bureau. His supervisor, Mary Shultz, said called Linn's death "a major shock" to the branch.

Linn had worked for the FCC for about 25 years. Linn frequently served as a source of information for the Universal Licensing System and the Commission Registration System, CORES. Linn spoke about ULS during the 2000 Dayton Hamvention FCC Forum.

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The SERA Repeater Journal Southeastern

2001/2002 HAMFEST/CONVENTION SCHEDULE

Please Note: Hamfest dates marked with an asterisk (*) are NOT confirmed and are based on information on record from the previous year's date, with no guarantee of accuracy. Hamfest sponsors are urged to get their correct show dates to the *Repeater Journal* Editor as soon as possible. We acknowledge and appreciate assistance in confirming dates from SERA & ARRL Directors; the ARRL, Commercial Dealers, and the response of many clubs and individuals sponsoring ham and computerfests.

Deadline for next February Issue is Jan. 1, 2002

JANUARY, 2002

5-6 . . . SERA Winter Bd Meet, PIGEON FORGE, TN
5 . . . . . HF at Talley Ward RC, MORRISTOWN, TN
11-12 . . . . Ft. Myers ARC Hamfest FT. MYERS, FL
12 . . . . . Hamfest, GREENWOOD, SC
12 . . . . . Dial RC Hamfest, MIDDLETOWN, OH
13. . . . . Hamfest, SOUTH BEND, IN
19 . . SCARA Hamfest at Civic Center, GALLATIN, TN
26. . . . . DeSoto ARC Hamfest, ARCADIA, FL
27 . . . . . Tusco ARC Hamfest, DOVER OH

FEBRUARY, 2002

1-2 (fri-sat) . MS St ARRLConv/HF, JACKSON, MS
2 . . . . . Hamfest at Stall HS, N. CHARLESTON, SC
2-3. . . . . SE ARRL Div Conv/HF, MIAMI, FL
8-10. . . Hamfest, Central Florida FG, ORLANDO, FL
9-10 . . . . . Hamfest, MEMPHIS, TN
10. . . . . Hamfest, MANSFIELD, OH
10 . . . . . ARRL VA State/FrostFest, RICHMOND, VA
16. . . . . Hamfest, SEBRING, FL
23* . . . . . Cabin Fever Hamfest, LaPORTE, IN
23 . . . . . Dalton ARC Hamfest, DALTON, GA
24 . . . . . Hamfest, Nat'l Grd. Armory, ELKIN, NC
24* . . . . . ARPSC Hamfest, CINCINNATI, OH
24* . . . . . Hamfest, CUYAHOGA FALLS, OH
24 . . . . . Hamfest, ZEPHYRHILLS, FL

MARCH, 2002

2 . . . . . Gulfcoast ARC HF, NEW PORT RICHEY, FL
2* . . . . . AR River Val. Hamfest, RUSSELLVILLE, AR
2* . . . . . Mam. Cave ARC Swapfest, CAVE CITY, KY
2. . . . . Kerbela Hamfest at Temple, KNOXVILLE, TN
3 . . . . . Vienna WA Winterfest, ANNADALE, VA
9* . . . . . Hamfest, ENGLEWOOD, FL
9 . . . . . Hamfest, HARRISON, AR
9-10 . . . . . HF/Comp. Show, CHARLOTTE, NC
16* . . . Swapfest at Cty FG, FT. WALTON BEACH, FL
16* . . . . . Hamfest at Jim Miller Pk, MARIETTA, GA
16. . . Hamfest at Coonskin Amry, CHARLESTON, WV
16* . . . . . Hamfest, Martin Cty. Fg, STUART, FL
17 . . . . . Toledo MRA Hamfest, MAUMEE, OH
24 . . . . Downeast HF - Lenior Cty. FG, KINSTON, NC
24* . . . . . Lake Cty ARA Hamfest, MADISON, OH
30* . . . . . Middle TN ARS Hamfest, TULLAHOMA, TN
30* . . . . . Hamfest, ELIZABETHTOWN, KY

APRIL, 2002

6-7 . . . . . ARRL MD St.-Conv/HF, TIMONIUM, MD
6-7 . . . . . Gr. Jax HF Hamfest, JACKSONVILLE, FL
7* . . . . Ft. Smith Area ARC Hamfest, FT. SMITH, AR
7* . . . . . Cave Run ARA Hamfest, MOREHEAD, KY
7* . . . Swapfest at Tombigbee St. Pk., TUPELO, MS
14 . . . . NC St. ARRL Conv./RARSFest, RALEIGH, NC
14* . . . . . Hamfest, GASSAWAY, WV
14* . . Marshall Cty ARC Hamfest, ALBERTVILLE, AL
20* . Chesapeake ARS Springfest, CHESAPEAKE, VA
20* . . Murray State Univ. ARC Hamfest, MURRAY, KY
20 . . . Catawba Val. HF & Comp., MORGANTON, NC
20* . . . . . Tampa, ARC Hamfest, TAMPA, FL
27* . . . Cherokee Cap. ARS Hamfest, CALHOUN, GA
27* . . . . . Bankhead ARC Hamfest, MOULTON, AL
27 . . . . 5th Salkehatchie Tailgate Party, WINSOR, SC
27* . . . . . Hamfest, GAINESVILLE, FL
28* . . . . . Athens Co. ARA Hamfest, ATHENS, OH
28* . . . . . Hamfest, CANFIELD, OH

MAY, 2002

3-4* . . . . . Hamfest, BATON ROUGE, LA
3-4. . . . . MO St. ARRL Conv/HF, LEBANON, MO
4* . . . . . Upstate Hf, SPARTANBURG, SC
4* . . . . . Big Sandy ARC Hamfest, LOUISA, KY
4* . . . . . Hamfest, GRAYSONVILLE, MD
4-5. . . . . Birminghamfest, BIRMINGHAM, AL
5* . . . . . Antietam RA Hamfest, HAGERSTOWN, MD
5* . . . . . Jax Cty ARC Hamfest, RIPLEY, WV
11 (Note new dte] . . . Plateau ARA HF, BECKLEY, WV
11* . . . . . Johnson Cty ARC, MOUNTAIN CITY, TN
17-19 . . . . . Hamvention, DAYTON, OH
18 . . . . . Hamfest at Sadler's Cr. Pk., HARTWELL, GA
18* . . . . Roanoke ARS Swapfest, WILLIAMSTON, NC
18* . . . . . Hamfest, STATESBORO, GA
25* . . . . . Pennyrile Tailgate, DAWSON SPRINGS, KY
25* . . . . . Dur-HamFest at S. Sq. Mall, DURHAM, NC
26* . . . . MD FM Assn. Hamfest, W.FRIENDSHIP, MD

JUNE, 2002

1* . . . . . HF at Jax Cty. FG PASCAGOULA, MS
1 . . . . . Atlanta RC Hamfest, ATLANTA, GA
2 . . . Ole Va Hams, Hamfest at FG, MANASSAS, VA
2* . . . . . Hamfest, PRINCETON, IL
7-8 (Fri eve-Sat) . . . Elec. Expo/HF, KNOXVILLE, TN
8* . . . . . HF/Computer Fair, ALBANY, GA
8* . . . Franklin ARRA Picnic/Tailgate, FRANKLIN, VA
8. . . . . Hamfest at Dixie FG, WINSTON-SALEM, NC
9* . . . . . N. Ky ARC Hamfest, INDEPENDENCE, KY
9* . . . . . Hamfest (Suffield) AKRON, OH
15* . . . . . Chester ARES Tailgate, CHESTER, SC
15* . . . . . Nashville ARC Hamfest, NASHVILLE, TN
16* . . . . . Frederick ARC Hamfest, FREDERICK, MD
16* . . . . . LakeCty ARC Hamfest, CROWN POINT, IN
22-23* . . . . . ARRL FIELD DAY
24 . . . . . Hamfest, ZEPHYRHILLS, FL

JULY, 2002

6* . . . . . Hamfest, INDIANAPOLIS, IN
6 . . . . Firecracker HF at Civic Cen, SALISBURY, NC
13 GA State ARRL Conv/Hamfest, GAINESVILLE, GA
13 . . . . . Hamfest at Bradley HS, CLEVELAND, TN
19-20* (fri-sat) . . . . Milton ARC Hamfest, MILTON, FL
20. . . . . Midsummer Swapfest, CARY, NC
20* . . . . RCARS Hamfest at Cdr Pt. Pk, DAYTON, TN
27* . . . . . OH-KY-IN ARS Hamfest, CINCINNATI, OH
27* . . WCARS HF, Hywd Cty. FG, WAYNESVILLE, NC
28* . . . . Portage Cty ARC Hamfest, RANDOLPH, OH
28* . . BRATS HF and Computer Fest, TIMONIUM, MD

AUGUST, 2002

3* . . . HF at Wm. Byrd H.S. VINTON, ROANOKE, VA
3 . . . Voice/ Aladdin ARC Hamfest, COLUMBUS, OH
3* . . . . . Hamfest, EILLIJAY, GA
4 . . . 52nd Annual Winchester HF, BERRYVILLE, VA
4. . . . . Hamfest at Stuben Cty Frgrnds, ANGOLA, IN
10* . . . . . Hamfest, at Meth. Col., FAYETTEVILLE, NC
10* . . . TARA HF & Comp. Show, HUNTINGTON, WV
11* . . . . . HF at Nat'l Grd. Arm, LEXINGTON, KY
16-17 (Fri.eve-Sat) . . . . . Hamfest, HUNTSVILLE, AL
18* . . . . . Warren ARA Hamfest, WARREN, OH
24* . . WV State Conv/HF, (Jksons Mill) WESTON, WV
25* . . . . . Short Mt. RC, Hamfest, LEBANON, TN
30-Sep1. . Hamfest at Cleveland Cty FG, SHELBY NC

SEPTEMBER, 2002

7* . . . . . Owen Cty ARA Hamfest, SPENCER, IN
7* KY St. ARRL Conv/HF-Bullit FG, LOUISVILLE, KY
7* . . . . . Hamfest at Auditorium, MELBOURNE, FL
7* . . Dalton ARC Tailgate Fest, PRATER'S MILL, GA
8* . . . . . Findlay ARC Hamfest, FINDLAY, OH
8* . . . . . Butler Cty ARA Hamfest, BUTLER, PA
13-14* (fri.nite-Sat) Mobile ARC Hamfest, MOBILE, AL
14* . . . . . Arrl St. Conv./Hamfest, LITTLE ROCK, AR
14. . . . . Paulding ARC Hamfest, DALLAS, GA
14* . . . . . Mobile ARC Hamfest, MOBILE, AL
21-22* Hamfest, Elec Flea Mkt, VIRGINIA BEACH, VA
22* . . . Hamfest Assn. of Clev. HF, CLEVELAND, OH
22 . . . . Greater Cinci ARA Hamfest, CINCINNATI, OH
22* . . . . . Columbia ARA, Hamfest, FRIENDSHIP, MD
27-28* (Fri-Sat) . Ten-Tec Hamfest, SEVIERVILLE, TN
28* . . . . . Hamfest, DOTHAN, AL
28* . . . . . Day in Park HF, STARKVILLE, MS
29* . . . FARS HF at Pr. George Stadium, BOWIE, MD

OCTOBER, 2002

5* . . . . . Hamfest/Computer Fair, ROCK HILL, SC
12* . . . . . Stafford ARA Hamfest, STAFFORD, VA
12* . . . . . Hamfest, STARKE, FL
12* . . . . . Hamfest, OAK RIDGE, TN
12*. ARC of Augusta, HF/Comp Show, AUGUSTA, GA
13 . . . . . Hamfest, MAYESVILLE, NC
18-19* (Fri-Sat) . . . NW GA ARC Hamfest, ROME, GA
19 . . . . . Gr. Jax HF Hamfest, JACKSONVILLE, FL
26* . HF at C.Jordan in E.Ridge, CHATTANOOGA, TN
26* . Sumter ARC Hamfest/Comp. Fair, SUMTER, SC
27* . . . . . Massillon ARC Hamfest, CANTON, OH

NOVEMBER, 2002

2-3 . . . . GA ARRL Sec./HF, LAWRENCEVILLE, GA
9* . . . . Beachfest/Fleamarket, MYRTLE BEACH, SC
9* . . . Hamfest at St. Fairgrnds, MONTGOMERY, AL
9* . . . . . Hamfest, PORT. ST. LUCIE, FL
15-16* (fri-sat) . . . . . Hamfest, OCEAN SPRINGS, MS
16* . . . . . Twin City Hams, Hamfest, MONROE, LA
16-17* . . . . . Hamfest, FT. WAYNE, IN
17* . . . JARSFEST at American Legion, BENSON, NC
23* . . . . . EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2002

7* . . Union Cty ARC Hamfest, at Armory UNION, SC

NOVEMBER, 2001

3-4. . . . HR/Comp. Expo '01, LAWRENCEVILLE, GA
10 . . . . Beachfest Fleamarket, MYRTLE BEACH, SC
10 . . . Hamfest at St. Fairgrnds, MONTGOMERY, AL
10 . . . . . Hamfest, PORT. ST. LUCIE, FL
16-17 (fri-sat) . . . . . Hamfest, OCEAN SPRINGS, MS

FINAL 2001 LISTINGS

17. . . . . Twin City Hams Hamfest, MONROE, LA
17-18 . . . IN St. ARRL Conv/Hamfest, FT. WAYNE, IN
18. . . . JARSFEST at American Legion, BENSON, NC
24. . . . . EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2001

1-2. . . . . ARRL SE Div Conv/HF, PALMETTO, FL
8 . . Union Cty ARC Hamfest, at Armory UNION, SC

2003 CONFIRMED DATES

Jan. 4. . . . . Hamfest, MORRISTOWN, TN
May 16-18 . . . . . Dayton Hamvention, DAYTON, OH
July 19 . . . . . Mid-Summer Swapfest, CARY, NC
Aug. 6 . . . . . 53rd Winchester HF, BERRYVILLE, VA

2004 CONFIRMED DATES

July 17 . . . . . Mid-Summer Swapfest, CARY, NC

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(See Page 2 for Address)

Deadline for February issue is Jan. 1

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ADVERTISE IN THE REPEATER JOURNAL!

Join or renew as a SERA Full Member Repeater

SouthEastern Repeater Association, Inc.

The not-for-profit Recognized Repeater Coordinator for: GA, KY, MS, NC, SC, TN, VA, & WV

2002 Repeater Full Membership Application

Please fill out the this short form SERA Full Member Application completely. Maximum number of letters for your repeater name is 14 characters. Be sure to list 2 persons as SERA representatives. ONLY these two will have voting rights, and receive the *Repeater Journal*. MAIL YOUR CHECK AND APPLICATION TO: SERA FULL MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050. Deadline to be listed as member in next February 2002 Repeater Journal is January 10, 2002.

	CITY/ MTN. ETC. (MAX 14 LETTERS)	RPTR CALLSIGN	INPUT FREQ.	OUTPUT FREQ
RPTR #1				
RPTR #2				
RPTR #3				
RPTR #4				

USE AS MANY LINES ABOVE AS YOU HAVE REPEATERS-ONE FOR EACH REPEATER. IF MORE SPACE NEEDED, USE SEPARATE SHEET OF PAPER.

NAME TWO PERSONS WHO WILL REPRESENT SERA AS FULL MEMBERS. EACH WILL RECEIVE THE *REPEATER JOURNAL.*

NAME_____ CALL_____
ADDRESS _____
CITY_____STATE_____ZIP_____
HOME PHONE #: ( ) _____
E-MAIL ADDRESS: _____
ARRL MEMBER: [ ] YES [ ] NO

NAME _____ CALL_____
ADDRESS_____
CITY_____STATE_____ZIP_____
HOME PHONE #: ( ) _____
E-MAIL ADDRESS: _____
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■ *IMPORTANT NOTE: ONLY OFFICIALLY SERA COORDINATED, ON-AIR, OPERABLE REPEATERS ARE ELIGIBLE FOR SERA FULL MEMBERSHIP An application for SERA Full Membership status, and the payment of the respective dues thereof, does NOT constitute coordinated status for the repeater(s) listed on this application or accompanying sheets. Contact your local coordinator to learn how to obtain coordinated status.*

THANK YOU FOR YOUR GENEROUS FINANCIAL SUPPORT OF THE SOUTHEASTERN REPEATER ASSOCIATION, INC. - YOUR LOCAL COORDINATOR

RJ 11-01

REPEATER OWNERS

There is nothing like letting your friends and users know you support SERA. Full Member repeaters are designated in our indexes by the little ☺. Don't be "un-smiley" ☹, fill out the application above and send it in. Two persons will be Full Member Representatives and get the Repeater Journal for 2002.

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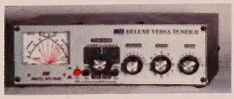

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